Tuesday General Session

Session: Distinguished Manuscripts

Discussant: David Doerfert
Facilitator: Keith Frost

**Quantity vs. Quality: How Do Varying FFA Civic Engagement Programming Structures Influence Students’ Civic**
Will Bird, Amanda Bowling, and Anna Ball

**“Not If You Want to be Good”: Exploring how Agriculture Teachers Interact with Reified Forms of Success**
Haley Q. Clement, Kellie Claflin, Josh Stewart, Jonathan J. Velez

**The Best of Both Worlds: Exploring the Experiences of Alternatively Certified Agriculture Teachers**
Kellie Claflin, Josh Stewart, Haley Q. Clement

**Rethinking Resilience: Applications for the Social Sciences of Agriculture, Food, and Natural Resources**
Catlin M. Pauley, Aaron J. McKim, Jennifer Hodbod

**Developing Metrics for Predicting Student Motivation to Enroll in a Short-Term Study Abroad Course from an Expectancy-Value-Cost Perspective**

---

Day 1 - Wednesday

**Session A: Teacher Characteristics**
Discussant: Tre Easterly
Facilitator: Will Doss

**Teacher Locus of Control and Teacher Self-Efficacy of Agricultural Educators in Southeast Missouri**
Jessica M. Toombs, Dr. Rob Terry, Jr., Dr. J. Shane Robinson, Dr. Penny Weeks

**Preservice Agricultural Education and Secondary Education Teachers’ Self-Efficacy and Professional Identity**
Hailey R. Gates, Dr. Catherine W. Shoulders, Dr. Don Johnson, Dr. Don Edgar, Dr. Jessica Blythe

**Decision to Enter the Classroom as an Agriculture Teacher: An Exploratory Qualitative Investigation**
Keith J. Frost, Dr. John Rayfield

**A Measure of Emotional Intelligence in Texas School-Based Agricultural Educators**
Mr. Cyler Frost, Dr. J. Chris Haynes, Dr. W. Brandon Smith, Dr. Wayne Atchley, Dr. Chandra Andrew

**Session B: Agricultural Education Stakeholders and Integration of STEM**
Discussant: Thomas Kipkurgat
Facilitator: Craig Kohn

**Examining the Utilization of Volunteers in School-Based Agricultural Education**
Ashley Cromer, Olivia Horning, Michelle Burrows, Dr. Tyson Sorensen, Dr. Rebecca Lawver
Defining Interdisciplinary Collaboration based on High School Teachers’ Beliefs and Practices of STEM Integration Using a Complex Designed System
Dr. Hui-Hui Wang, Mrs. Mingla Charoenmuang, Dr. Neil, A. Knobloch, Dr. Roger L. Tormoehlen

Texas High School Counselors Perceptions of Agricultural Education
Amanda Spacek, John Rayfield, David Lawver, Rudy Ritz

Identifying Challenges Preservice Teachers Encountered When Teaching Curriculum for Agricultural Science Education (CASE) Coursework During Student Teaching
Trent Wells, Mark S. Hainline, Scott W. Smalley

Session C: Preparing Agricultural Teachers
Discussant: Gaea Hock
Facilitator: Natalie Ferrand

How Do Preservice Teachers Conceptualize Agricultural Mechanics?
Rachael Whitehair, Kelsey Sands, Trent Wells, and Mark S. Hainline

Undergraduate Students’ Perceptions of Team-Based Learning During an Introductory Agricultural Mechanics Course: A Mixed Methods Study
Whitney Figland, Dr. Joey Blackburn, Dr. Richie Roberts

Preservice Agriculture Teachers Development of Knowledge of Content and Students During Their Student Teaching Experience
Arthur "AJ" Argueta, Amber H. Rice, Quintin F. Molina, Angela Kaczowka

Benefits of Using Service-Learning in the Preparation of Teachers: An Analysis of Agricultural Education Teacher Educators’ Beliefs and Intentions
Dr. Richie Roberts, Dr. M. Craig Edwards, Dr. J. Shane Robinson

Session D: Scientific and Agriculture Literacy
Discussant: Neil Knobloch
Facilitator: Cara Lawson

Assessing the Scientific Literacy in Agriculture of Secondary Agricultural Education Students – An Exploratory Study
Marshall A. Baker, Christopher Eck

The Effect of Infographics on Recall of Information about Genetically Modified Foods
Kassie Waller, Dr. Courtney Meyers, Dr. Amber McCord, & Dr. Courtney Gibson

The Process of Literacy Integration in Agriculture Classrooms: A Grounded Theory
Laura Hasselquist, Tracy Kitchel

Assessing the Acceptance of Incorporating Agriculture into Elementary School Curriculum
Michelle Burrows, Dr. Tyson Sorensen

Session E: Agricultural Leadership
Discussant: Cecilia Suarez
Facilitator: Kellie Claflin

Needs Assessment: Exploring Leadership Needs of a Regional Agricultural Industry to Develop a Collegiate Leadership Program
Abby Carlson, Dr. Avery Culbertson
The Relationship between Social Capital and Leadership Styles and Potential Implications for Agricultural Education: A Meta-Analysis
Zane Sheehan, Shannon Norris, Na Young Ahn, Jihye Oh, Dr. Lori Moore

Examining Communication Between Florida Agricultural Organization Leaders and Members to Encourage Member Engagement in Agricultural Policy
Levy George Randolph II, Caroline R. Warwick, Dr. Shelli D. Rampold, Dr. Ricky W. Telg

Are We Developing Leaders? Connecting Undergraduate Leadership Identities to their Needs and Contexts
Anna Pratt, RyAnna Meacham, & Dr. Sarah Bush

Day 2 - Thursday

Session A: Focus on Secondary Students
Discussant: Tim Buttles
Facilitator: Caitlin Pauley

Influence of Secondary Agricultural Education Student Supervised Agricultural Experience Participation on Career Decision Self-Efficacy
Darla Romberger, Daniel D. Foster, John C. Ewing

Stress of High School Agriscience Students
Dr. Anna J. Warner, Dr. Brian E Myers

Completers of a Summer High School Agriculture Residential Program: Where are They Now?
Abigail Hemby, Brittany Hoover, Jeremy Elliot-Engel, Curtis Friedel

Overcoming Obstacles: A Quasi-Experimental Examination of Grit and Optimism in Secondary Agricultural Education Leadership Development Event Participants
Bishal Thapa, McKenna Ford, and Kasee L. Smith

Session B: In-service Teacher Development
Discussant: Justin Killingsworth
Facilitator: Haley Traini

Sustaining the Profession: Career Promotion Behaviors of School-Based Agricultural Education Teachers
Dr. Marshall Swafford, Lyle Logemann, Dr. Doyle Brinson

Technical Skills Preservice SBAE Teachers Should Possess upon Completing a Preservice Teacher Education Program: A Modified Delphi Study
Matthew C. Albritton, T. Grady Roberts

Assessing School-based Agricultural Education Teacher Familiarity, Knowledge, and Perceptions of Supervised Agricultural Experience Categories
William L. Doss, Dr. John Rayfield

Will the first through five years please stand up? Quantifying National SBAE teacher experience
Becky Haddad, Kelsey J. Knight, Jonathan J. Velez, Josh Stewart

Session C: Needs Assessment of Agriculture Programs
Discussant: Jason McKibben
Facilitator: Jessica Toombs

**In-Service Agricultural Mechanics Needs of Montana Mid-Career Agricultural Educators**
Joshua T. Toft, Dustin K. Perry, Jeremy M. Falk

**Motivating Students to Conduct High-Quality Supervised Agricultural Experience Programs: A Collective Case Study of Agriculture Teachers in Georgia**
Jillian G. Bryant, Dr. Eric D. Rubenstein, Dr. Jason B. Peake, and Dr. Ashley M. Yopp

**An Examination of the Curricular Resources Utilized by Utah School Based Agriculture Education Teachers and their Relationship with Teacher Self-Efficacy**
Dr. R. G. (Tre) Easterly III, Kassandra A. Simpson

**Examining Florida Agriscience Teachers’ Instructional Practice Professional Development Needs by Certification Type**
Bradley M. Coleman, Dr. J. C. Bunch, Dr. Andrew C. Thoron

**Session D: Focus on College Students**
Discussant: Shannon Arnold
Facilitator: Christopher Eck

**I Think I Can! Utilizing Goal Orientations and Academic Efficacy to Predict the Academic Performance of Freshmen College of Agriculture Students**
Olivia Soler, Adam O'Malley, Whitney L. Figland, Morgan Richardson, J. Joey Blackburn, Kristin S. Stair, Richie Roberts

**Influences on College of Agriculture Students’ Expectations to Succeed at Writing**
Dr. Taylor K. Ruth, Dr. Jason L. Emmert

**The Forms of Dissonance Experienced by U.S. University Agriculture Students During a Study Abroad to Nicaragua**
Adam M. O'Malley, Dr. Richie Roberts, Dr. Kristin S. Stair, Dr. J. Joey Blackburn

**A Q-Methodological Study of the Perspectives of American Agriculture Culture Held by Students at a Land-Grant University**
Jorge Gonzalez, Marshall A. Baker, Diane Montgomery

**Session E: Agricultural Communications**
Discussant: Ricky Telg
Facilitator: Aaron Giorgi

**A Moment-to-Moment Analysis of Trust in Agricultural Messages**
Lauren LaGrande, Dr. Courtney Meyers, Dr. R. Glenn Cummins, Dr. Matt Baker

**Framing Agricultural Water Use: A Content Analysis of State Farm Bureau YouTube Videos**
Lauren Lagrande, Cara Lawson, Dr. Courtney Meyers

**A Mixed-Methods Analysis of the Effect of the Spiral of Silence on Faculty’s Science Communication**
Dr. Taylor K. Ruth, Dr. Joy N. Rumble, Dr. Lisa K. Lundy, Dr. Sebastian Galindo-Gonzalez, Dr. Hannah S. Carter, Dr. Kevin M. Folta

**The Influence of Framing Effects on Public Opinion of Antibiotic use in Livestock**
Garrett M. Steede, Ph.D., Courtney Meyers, Ph.D., Nan Li, Ph.D., Erica Irlbeck, Ed.D., and Sherice Gearhart, Ph.D.
Day 3 - Friday

**Session A: Teacher Development**
Discussant: Thomas Paulsen
Facilitator: Matthew Albritton

*Identifying the Characteristics Necessary for Becoming an Effective Agricultural Education Teacher: A National Study*
Christopher J. Eck, J. Shane Robinson, Jon W. Ramsey, Ki Lynn Cole

*Balancing Preparation for Current Practice with Preparation for Future Learning in High School Agricultural Education*
Craig Kohn, Dr. Charles "Andy" Anderson, Dr. Aaron McKim

*New and Emerging Technologies: Teacher Needs, Adoption, Methods, and Student Engagement*
Loren G. King, Aaron J. McKim, Matt R. Raven, Catlin M. Pauley

*Early Career Agricultural Teachers’ Preparation, Practice and Perceptions of Instructional Method Use*
Samantha Voges, John Rayfield, David Lawver, Rudy Ritz

**Session B: Teacher Retention**
Discussant: Barbara Kirby
Facilitator: KJ Knight

*Why Did They Stay? Examining Factors Related to Agriculture Educator Decisions to Stay in the Profession*
Ryanna Carter, Kasee L. Smith, Kattlyn J. Wolf

*CTE Teacher Retention: A Case Study of Mid-Career Teachers*
Laura Hasslquist, Nicole A. Graves

*Exploring Global Perspectives, Teacher Passion, and Professional Commitment of Second Stage Agriculture Teachers in the Western United States*
Dr. Erin Gorter, Dr. Scott Burris, Dr. Julie Harlin, Dr. Rudy Ritz, Dr. Timothy Murphy

*What Moves You? How SBAE teachers navigate program migration*
Becky Haddad, Jonathan J. Velez

**Session C: Learning and Cognition**
Discussant: Brian Myers
Facilitator: Melanie Bloom

*Determining the Effects of the Smartphone as a Learning Tool on the Motivation of School-Based Agricultural Education Students in Louisiana*
H. Eric Smith, J. Joey Blackburn, Kristin S. Stair, Michael F. Burnett

*Examining the 5E Method of Inquiry-based Instruction on Students’ Content Knowledge Achievement in an Environmentally-focused Agriscience Curriculum*
Dr. Blake Colclasure, Dr. Andrew Thorton, Dr. Ed Osborne, Dr. Grady Roberts, Dr. Rose Pringle

*Perceptions of Undergraduate Agricultural Education Students on the Effects of Question Difficulty and Post-question Wait-time on Cognitive and Emotional Processes*
Dr. Kyle C. Gilliam, Dr. Matt Baker, Dr. John Rayfield, Dr. Rudy Ritz, and Dr. R. Glenn Cummins
Effects of Question Difficulty and Post-question Wait-time on Emotional Response: A Psychophysiological Analysis
Dr. Kyle C. Gilliam, Dr. Matt Baker, Dr. John Rayfield, Dr. Rudy Ritz, and Dr. R. Glenn Cummins

Session D: Post-Secondary Curriculum
Discussant: Christopher Clemons
Facilitator: Jason Bullock

Exploration of Graduate Curriculum in Agricultural Extension Education
Kelsey Sands, Dr. Michael S. Retallick

Exploring the Process of Designing Effective Postsecondary Curriculum in Nigerian Agricultural Education
Ibukun D. Alegbeleye, Helen.O. Ajao

Teaching at the Land Grant University: Early Career Faculty Development Needs and Perceived Self-efficacy
Lucas Maxwell, Will Bird, and Anna Ball

Identifying the Professional and Technical Skills Agricultural Industry Employers Expect Agricultural Graduates to Possess
Skylar Rinker, Mark S. Hainline, Scott W. Smalley

Session E: Diversity and Inclusion
Discussant: Joy Rumble
Facilitator: Rose Cowan

Recruiting Minority Students into Secondary School Agriculture Education Programs: Barriers, Challenges, and Alternatives
K. S. U. Jayaratne, Travis Park, Jason Davis

Country Crisis: A Content Analysis of Rural Opioid Epidemic News Coverage
Cara Lawson, Dr. Courtney Meyers

Inclusion at Face Value: State FFA Association Use of Instagram to Promote Membership Diversity
Cara Lawson, Dr. David Doerfert, Dr. Caryn Filson

Where Do We Learn?: A Multi-Site Case Study of the Learning Spaces of Rural Agricultural Education Programs
Joenelle L. Futrell, Marshall A. Baker, J. Shane Robinson, Toni Ivey