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I. Education

Doctor of Philosophy	**University of Missouri** Columbia, Missouri Major: Agricultural Education Concentration: Agricultural Systems Management Dissertation Title: ***Level of Influence of Selected Factors Upon Missouri Agricultural Education Teachers' Choice To Instruct Agricultural Mechanics Curriculum*** Advisor: Dr. Rob Terry, Jr. May 2010
Master of Science	**Sam Houston State University** Huntsville, Texas Major: Agriculture Concentration: Agricultural Mechanization Advisor: Dr. Billy Harrell May 2004
Bachelor of Science	**Sam Houston State University** Huntsville, Texas Major: Agricultural Business Minor: Agricultural Mechanization December 2001

II. Professional Experience

a. University Experience

Position	Institution	Date(s)
Assistant Professor of Agricultural Engineering Technology	Sam Houston State University Department of Agricultural Sciences and Engineering Technology	August 2015 to present
Assistant Professor of Agricultural Education/ Agricultural Systems Management	Texas State University Department of Agriculture	June 2010 to August 2015
Lecturer and Graduate Teaching Assistant	University of Missouri Department(s) of Agricultural Education and Agricultural Systems Management	August 2007 to May 2010
Lecturer and Graduate Teaching Assistant (Agricultural Mechanization & Horticulture)	Sam Houston State University Department of Agriculture	August 2002 to December 2003; June 2004

II. Professional Experience (continued)

b. Additional Relevant Professional Experience

Position	Date(s)
Workshop Developer & Lecturer Title: *Teaching Agricultural Mechanics Curriculum* University of Missouri Columbia, Missouri 6521	July 2009
Workshop Developer & Lecturer Title: *Horticulture Certification Workshop* Sam Houston State University Huntsville, Texas 77341	June 2007
Agricultural Science Teacher C.E. King Junior High/ High School Houston, Texas 77044	July 2005 to May 2007
Agricultural Science Teacher City View Junior High/ High School Wichita Falls, Texas 76306	July 2004 to June 2005
Agricultural Science Student Teacher Klein Forest High School Houston, Texas 77066	January 2004 to May 2004

c. Other Professional Credentials

Teaching Certificate	State of Texas Vocational Production Agriculture May 2004 to present

III. Teaching Experience

a. Summary of Courses Taught

Sam Houston State University, College of Science, Department of Agricultural Sciences and Engineering Technology

Year	**2015**	**2016**			**2017**			**2018**			**2019**		
Semester/ Courses	**F**	**Sp**	**Su**	**F**	**Sp**	**Su**	**F**	**Sp**	**Su**	**F**	**Sp**	**Su**	**F**
AGET 2301													
AGET 2303	X	X		X	X								
AGET 3300													
AGED 3310			X										
AGET 3380													
AGET 3383													
AGET 4371													
AGET 4381													
AGET 4384													
AGET 4385													
AGET 4387													
AGET 4390		X			X								
AGET 4392			X										
AGET 4393	X			X									

Note. Sp = Spring, Su = Summer, F = Fall. AGET = Agricultural Engineering Technology (undergraduate; graduate = *)

III. Teaching Experience (continued)

a. Summary of Courses Taught (continued)

Texas State University, College of Applied Arts, Department of Agriculture

Year	**2010**		**2011**			**2012**			**2013**			**2014**		
Semester/ Courses	**Su**	**F**	**Sp**	**Su**	**F**	**Sp**	**Su**	**F**	**Sp**	**Su**	**F**	**Sp**	**Su**	**F**
AG 2373		X	X		X	X	X	X	X	X	X	X	X	X
AG 2374		X			X			X			X			X
AG 3310	X							X			X			
AG 3353											X			X
AG 3375									X			X		
AG 4185	X							X	X			X	X	
AG 4343			X			X								
AG 4361									X			X		
AG 4371B				X						X			X	
AG 5370 *								X			X			X
AGED 5314					X			X						X
AGED 5318		X												
AGED 5319							X							
AGED 5320	X													
AGED 5330					X									
AGED 5335						X								
AGED 5371D			X											
AGED 5371E		X												
AGED 5399A								X				X		
AGED 5399B									X	X		X	X	

Note. Sp = Spring, Su = Summer, F = Fall. AG = Agriculture (undergraduate; graduate = *), AGED = Agricultural Education (graduate).

III. Teaching Experience (continued)

a. Summary of Courses Taught (continued)

Texas State University, College of Applied Arts, Department of Agriculture

Year	**2015**
Semester/ Courses	**Sp**
AG 2373	X
AG 2374	
AG 3310	
AG 3353	
AG 3375	X
AG 4185	
AG 4343	
AG 4361	
AG 4371B	
AG 5370 *	
AGED 5314	
AGED 5318	
AGED 5319	
AGED 5320	
AGED 5330	
AGED 5335	
AGED 5371D	
AGED 5371E	
AGED 5399A	
AGED 5399B	

Note. Sp = Spring, Su = Summer, F = Fall. AG = Agriculture (undergraduate; graduate = *), AGED = Agricultural Education (graduate).

III. Teaching Experience (continued)

b. Agricultural Engineering Technology Courses Developed and Instructed – Sam Houston State University (Undergraduate)

To date at Sam Houston State University, I have prepared and developed curriculum for 3 undergraduate agricultural engineering technology courses. These courses included:

Agricultural Engineering Technology 2303 – Introduction to Agricultural Mechanization and Engineering (AGET 2303)

Catalog course description: Introduction to current and emerging topics and industry related to agricultural engineering technology. Topics covered include: bio-diesel, wind energy, GPS/GIS applications, nanotechnology, theory of fusion of metals, efficiency of internal combustion engines, and other technology-related subjects.

Agricultural Engineering Technology 4390 – Turf and Cropland Irrigation and Drainage (AGET 4390)

Catalog course description: Design and selection of surface or sub-surface irrigation and drainage systems for golf courses, greenhouses, sports fields, crops, landscape applications, and construction sites. Principles of pressurized irrigation systems including crop water requirements, soil moisture, irrigation scheduling, sprinkler irrigation, trickle irrigation, pumps, pipelines, and irrigation wells will be covered. Writing enhanced.

Agricultural Engineering Technology 4392 – GPS Applications in Agriculture and Construction (AGET 4392)

Catalog course description: Global positioning and geographic information system software and equipment will be applied in settings involving precision farming and construction. Writing enhanced.

Agricultural Engineering Technology 4393 – Renewable Energy Sources for Agriculture (AGET 4393)

Catalog course description: This course will familiarize students with existing and potential alternative energy sources and production capacities including wind, solar, bio-mass conversion, hydrogen, ethanol, vegetable oil, and bio-diesel. Impacts on the environment, ecological systems, world food supply, and economy will be studied.

III. Teaching Experience (continued)

b. Agricultural Engineering Technology/ Agricultural Systems Management Courses Developed and Instructed (Undergraduate) – Texas State University – (continued)

At Texas State University-San Marcos, I prepared and developed curriculum for 10 graduate agricultural education courses and 10 undergraduate agricultural systems management courses. These courses included:

Agriculture 2373 – Introduction to Agricultural Engineering (AG 2373)

Catalog course description: An introductory course designed to acquaint students with a wide range of concepts, principles and applied technologies in agricultural engineering. A problem solving course.

Agriculture 2374 – Metal Fabrication and Welding Technology for Agriculture (AG 2374)

Catalog course description: Principles and practices of applied metallurgy and welding. The course emphasizes the management of the technologies and techniques associated with: Oxy-fuel welding and cutting, Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GTAW), Gas Metal Arc Welding (GMAW), and Plasma Arc Cutting (PAC).

Agriculture 3310 – Agricultural Power and Machinery Technology (AG 3310)

Catalog course description: To include principles of 2 stroke and 4 stroke cycle engines, ignition and combustion types including injection systems. Components including power and power transmission and hydraulic systems will be addressed.

Agriculture 3353 – Agriculture Structures and Environment (AG 3353)

Catalog course description: Principles and practices associated with structural components, selection, materials of construction, heat and moisture control, and the environmental issues of waste management systems; a problem solving course.

Agriculture 3375 – Management of Agricultural Machinery and Equipment (AG 3375)

Catalog course description: The optimization of the equipment phases of agricultural production and processing. Emphasis will be placed on management and decision making principles concerned with the efficient selection, operation, repair, maintenance, and replacement of machinery and equipment.

Agriculture 4185 – Current Problems in Agriculture (AG 4185)

Catalog course description: A course for advanced undergraduates to study subject matter of special interest in agriculture. Problems in agronomy, economics, animal science, plant science, and farm mechanics may be selected.

III. Teaching Experience (continued)

b. Agricultural Systems Management Courses Developed and Instructed (Undergraduate) – Texas State University – (continued)

Agriculture 4343 – Organization and Management for Laboratory Programs (AG 4343)

Catalog course description: Instructional programs involving laboratory equipment and facilities will be examined. Curriculum, teaching methods, equipment and facility management practices including various aspects of safety, tool management, inventory and security, are emphasized along with facilities layout and planning. Must be taken in last semester of program.

Agriculture 4361 – Agriculture Electric and Mechanical Systems (AG 4361)

Catalog course description: Electrical fundamentals applied to agricultural production and processing. Circuits, power, energy, wiring design, and motor fundamentals; selection, installation and operational characteristics. Sensors and control devices including switches, relays, timers, and circuit breakers will be studied.

Agriculture 4371B – Agricultural Irrigation Technology (AG 4371B)

Catalog course description: Principles associated with water management practices in maintaining soil productivity and the influence of water management on environmental quality. Emphasis will be placed on the selection and layout of irrigation and drainage systems, waste management systems, and the impact on the environment.

Agriculture 5370 – Problems in Technical Agriculture (AG 5370)

Catalog course description: A conference course. Problems will be selected to meet the needs of the individual student. May be repeated for additional credit when problem differs.

III. Teaching Experience (continued)

c. Agricultural Education Courses Developed and Instructed (Undergraduate) – Sam Houston State University

Agricultural Education 3310 – Teaching Ag Technology (AGED 3310)

Catalog course description: Methods in delivering instruction in agricultural technology. Principles in managing high school agricultural mechanics laboratories in a safe and efficient manner. Intended for SED minors. Junior standing. Approval by instructor.

III. Teaching Experience (continued)

c. Agricultural Education Courses Developed and Instructed (Graduate) – Texas State University

Agricultural Education 5314 – Problems in Teaching Vocational Agriculture (AGED 5314)

Catalog course description: The student is given the opportunity to work on problems of special interest and need in teaching high school vocational agriculture. May be repeated for additional credit when problem differs.

Agricultural Education 5318 – Administration and Supervision of Vocational Education (AG 5318)

Catalog course description: The administration of comprehensive vocational education programs with emphasis on the operation and implementation of programs governed by state and national laws (2007-2009 Graduate Catalog, Texas State University, p. 72). The course will transcend this description through self-exploration and discussion of the integral aspects of leadership and its role in supervision. Of particular emphasis will be supervision as improvement for teaching, learning and leading in educational settings and beyond. Specifically, students in the course will explore developmental perspectives of human, conceptual, and technical skills needed for continuing professional development and instructional improvement.

Agricultural Education 5319 - Adult Education Program Development and Methods (AGED 5319)

Catalog course description: a seminar/discussion course with the primary goal of connecting adult learning theory with effective practices. The course seeks to integrate theory and practice to better prepare professionals for diverse roles in training and education.

Agriculture 5320 – History and Principles of Vocational Education (AG 5320)

Catalog course description: History and Principles of Vocational Education is the study of the history, principles, and philosophy of different programs of vocational education existing today. The course will include a review of principles ranging from early vocational education in America to the globalization of career and technology education in both Texas and America. Students will be given the opportunity to engage in critical insight, collaborative discussion, research paper critiques, and creative projects. Students will be expected to participate in class discussions and presentations.

Agricultural Education 5330 – Research Methods in Vocational Education (AGED 5330)

Catalog course description: Principles and procedures of evaluation used in developing and implementing programs of vocational education will be stressed. The procedure involved in proposal writing will be studied.

III. Teaching Experience (continued)

c. Agricultural Education Courses Developed and Instructed (Graduate) – Texas State University – (continued)

Agricultural Education 5335 - Curriculum Development of Vocational Programs (AGED 5335)

Catalog course description: a seminar/discussion course designed to provide students with a strong background of designing and implementing career and technology education curriculum. The course discusses the changing cognitive, affective, psychomotor, and interpersonal skills required in a variety of career and technology professions. Contemporary curriculum models will be discussed. Recent reports and legislation affecting career and technology education will be examined and discussed throughout the entire semester. It will be important that students keep up with legislation being passed that affects K-12 education, as well as, higher education. Designing curriculum for higher education will also be stressed.

Agricultural Education 5371D – Agricultural Structures Design (AGED 5371D)

Catalog course description: Principles of design and construction for structures associated with agricultural production. Emphasis will be placed on processes, materials and standards associated with different areas of production agriculture.

Agricultural Education 5371E – Advanced Welding Processes and Designs (AG 5371E)

Catalog course description: Advanced study in areas related to welding processes and equipment utilized in the design, construction, and repair of agricultural structures and equipment. Emphasis will be placed on processes and methods, which may be applicable to agricultural production situations as well as in the processing of agricultural products.

Agricultural Education 5399A – Thesis – (AGED 5399A)

Catalog course description: This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Agricultural Education 5399B.

Agricultural Education 5399 B - Thesis – (AGED 5399B)

Catalog course description: This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.

III. Teaching Experience (continued)

d. Student Teacher Supervision

Name	Institution	Semester
Mr. Chad Reynolds	Sam Houston State University	Spring 2017
Ms. Hannah Lewandowski	Sam Houston State University	Spring 2017
Mr. Bryan Potter	Sam Houston State University	Spring 2016
Ms. Bethany Whitten	Sam Houston State University	Spring 2016
Ms. Maureen Victoria	Texas State University	Spring 2013
Mr. Zachary Brown	Texas State University	Spring 2013
Ms. Melissa McAdam	Texas State University	Spring 2012
Mrs. Liz Murray	Texas State University	Spring 2011
Ms. Katy Henry	Texas State University	Spring 2011
Ms. Alyson Ivey	Texas State University	Spring 2011
Ms. Maddie Hays	Texas State University	Spring 2011
Ms. Kayla Box	Texas State University	Spring 2011
Mr. Lance Martin	University of Missouri	Spring 2010
Mr. Ardel Wright	University of Missouri	Spring 2010
Mr. Kyle Allen	University of Missouri	Spring 2009

III. Teaching Experience (continued)

e. Graduate Teaching Assistantship Experiences

University of Missouri-Columbia, Department(s) of Agricultural Education and Leadership and Agricultural Systems Management, (Fall 2007 to Spring 2010)

As a doctoral graduate teaching assistant at the University of Missouri-Columbia, I assisted professors with preparing curriculum, teaching, grading, and advising students for the following courses:

Agricultural Education 2220 - Verbal Communication in Agriculture, Food, and Natural Resources

Agricultural Education 2250 - Personal Leadership Development

Agricultural Education 2260 - Team and Organizational Leadership

Agricultural Education 3320 - Metal Fabrication and Laboratory Management

Agricultural Education 4995 - Student Teaching Internship in Agriculture

Agricultural System Management 1020 - Introduction to Agricultural Systems Management

Agricultural Systems Management 2340 - Pesticide Application Equipment

Agricultural Systems Management 4020 - Agricultural Safety and Health

Agricultural Systems Management 4140 - Electricity: Wiring and Equipment

Agricultural Systems Management 4320 - Agricultural Equipment and Machinery

III. Teaching Experience (continued)

f. Graduate Teaching Assistantship Experiences

Sam Houston State University, Department of Agricultural Sciences, (Fall 2002 to Fall 2003)

As a master-level graduate teaching assistant at the Sam Houston State University, I assisted professors (Dr. Billy Harrell, Dr. Joe Muller, Dr. Tim Pannkuk, and Dr. Doug Ullrich) with preparing curriculum, teaching laboratories, grading, and advising students for the following courses:

Agriculture 162 - Introduction to Agricultural Mechanization and Engineering

Agriculture 165 - Plant Science

Agriculture 330 - Agricultural Electrification

Agriculture 331 - Teaching Agricultural Technology

Agriculture 338 - Game Animal Production

Agriculture 380 - Agricultural Machinery

Agriculture 386 - Agricultural Structures and Environmental Control Systems

Agriculture 481 - Advanced Agricultural Mechanics

g. Funded Internal Teaching Grants

Agricultural Career Exploration / Experiential Learning Field Trip, Student Service Fee Committee, Texas State University – San Marcos, $1,750.00, Principal Investigator

In the fall of 2011, I was awarded $1,750.00 to fund a student service project within the Department of Agriculture at Texas State University to take students on exploratory field trips to regional agriculture companies to explore career options after graduation. These field trips took place in the summer of 2012.

IV. Peer Reviewed Research

a. Refereed Journal Articles

1) In-Review

2016

Saucier, P. R., & Langley, G. C. (Accepted Pending Revisions), Submitted December 2016). An evaluation of the knowledge, performance, and consequence competence in a science, technology, engineering, and mathematics (STEM) based professional development for school-based agricultural science teachers: An assessment of an industry supported Computer Numerical Control (CNC) Plasma Arc Cutting workshop. *The Journal of Agricultural Systems, Technology, and Management.*

2) Accepted for Publication

2015

Saucier, P. R., & Geiken, K. B. (Accepted Pending Revisions, Submitted December 2015). Agricultural mechanics curriculum skill standards for U.S. agricultural science teachers: A Delphi study. *The Journal of Agricultural Systems, Technology, and Management.*

Saucier, P. R., Stair, K., McKim, B. R., Rosencrans, C. (Accepted Pending Revisions, Submitted December 2015). An examination of the professional development needs of school-based New Mexico agriculture teachers' ability to safely manage agricultural mechanics laboratories. *The Journal of Agricultural Systems, Technology, and Management.*

3) Published

2014

Saucier, P. R., & Krysher, S. (2014). Selected factors influencing Missouri school-based agricultural educators to instruct agricultural mechanics curriculum. *The Journal of Agricultural Systems, Technology, and Management. 25*, 1-11.

Saucier, P. R., & McKim, B. R. (2014). Safety in the agricultural mechanics laboratory: A needs assessment of Tennessee school-based agricultural educators. *The Journal of Agricultural Systems, Technology, and Management. 25*, 12-25.

Saucier, P. R., McKim, B. R., Muller, J. E., & Kingman, D. M. (2014). Assessing performance and consequence competence in a technology-based professional development for agricultural science teachers: An evaluation of the Lincoln Electric welding technology workshop. *Career and Technical Education Research*, *39*(2), doi: 10.5328/cter39.2

IV. Peer Reviewed Research (continued)

a. Refereed Journal Articles (continued)

2014 (continued)

Saucier, P. R., McKim, B. R., Terry, Jr., R., & Schumacher, L. G. (2014). A performance competence-based needs assessment of Missouri school-based agricultural educators in agricultural mechanics laboratory management. *The Journal of Agricultural Systems, Technology, and Management. 25,* 26-43.

Saucier, P. R., Vincent, S. K., & Anderson, R. G. (2014). Laboratory safety needs of Kentucky school-based agricultural mechanics teachers. *The Journal of Agricultural Education.*
55(2), doi: 10.5032/jae.2014.02184

2013

McKim, B. R., & **Saucier, P. R.** (2013). A 20-year comparison of teachers' self-efficacy of agricultural mechanics laboratory management. *The Journal of Agricultural Education, 54*(1), doi: 10.5032/jae.2013.01153

2012

McKim, B. R., & **Saucier, P. R.** (2012). A multi-state factor-analytic and psychometric meta-analysis of agricultural mechanics laboratory management competencies. *The Journal of Agricultural Education, 53*(2), doi: 10.5032/jae.2012.02139

Saucier, P. R. & McKim, B. R., & Tummons, J.D. (2012). A Delphi approach to the preparation of early-career agricultural educators in the curriculum area of agricultural mechanics: Fully qualified and highly motivated or status quo? *The Journal of Agricultural Education, 53*(1), doi: 10.5032/jae.2012.01001

2011

McKim, B. R., & **Saucier, P. R.** (2011). Agricultural mechanics laboratory management professional development needs of Wyoming secondary agriculture teachers. *The Journal of Agricultural Education*, *52*(3), doi: 10.5032/jae.2011.03075

McKim, B. R., & **Saucier, P. R.** (2011). An Excel-based mean weighted discrepancy score calculator. *The Journal of International Agricultural and Extension Education, 49*(2).

IV. Peer Reviewed Research (continued)

a. **Refereed Journal Articles** (continued)

Saucier, P. R., & McKim, B. R. (2011). Assessing the learning needs of student teachers in Texas regarding management of the agricultural mechanics laboratory: Implications for the professional development of early career teachers in agricultural education. *The Journal of Agricultural Education, 52*(4), doi: 10.5032/jae.2011.04024

b. Refereed Conference Proceedings

2016

Saucier, P. R., & Langley, G. C. (2016, October). An evaluation of the knowledge, performance, and consequence competence in a science, technology, engineering, and mathematics (STEM) based professional development for school-based agricultural science teachers: An assessment of a computer numerical control (CNC) plasma arc cutting workshop. *Paper presented at the 35th National Agricultural Mechanics Committee Blue Ribbon Professional Development Conference,* Indianapolis, IN.

2014

Geiken, K. B., & **Saucier, P. R.** (2014, October). Agricultural mechanics curriculum skill standards for U.S. agricultural science teachers: A Delphi study. *Paper presented at the 33rd National Agricultural Mechanics Committee Blue Ribbon Professional Development Conference,* Louisville, KY.

2013

Saucier, P. R., McKim, B. R., Stair, K. (2013, October). An examination of the agricultural mechanics laboratory management professional development needs of school-based New Mexico agriculture teachers. *Paper presented at the 32nd National Agricultural Mechanics Committee Blue Ribbon Professional Development Conference,* Louisville, KY.

2012

Saucier, P. R. (2012, November). Barriers influencing Missouri school-based agricultural educators to avoid the instruction of agricultural mechanics curriculum. *Paper presented at the 2012 Association for Career and Technical Education Research Conference,* Atlanta, GA.

IV. Peer Reviewed Research (continued)

2012 (continued)

Saucier, P. R., McKim, B. R., Muller, J. E., & Kingman, D. M. (2012, November). Assessing performance and consequence competence in a technology-based professional development for agricultural science teachers: An evaluation of the Lincoln Electric Welding Technology Workshop. *Paper presented at the 2012 Association for Career and Technical Education Research Conference*, Atlanta, GA.

Saucier, P. R., & Krysher, S. (2012, October). Selected factors influencing Missouri school-based agricultural educators to instruct agricultural mechanics curriculum. *Paper presented at the 31st National Agricultural Mechanics Committee Blue Ribbon Professional Development Conference*, Indianapolis, IN.

Saucier, P. R. (2012, April). Selected factors influencing Missouri school-based agricultural educators to teach agricultural mechanics curriculum. *Paper presented at the 2012 Western Region – American Association for Agricultural Education Conference*, Bellingham, WA.

Saucier, P. R., McKim, B. R., Muller, J. E., & Kingman, D. M. (2012, April). Assessing performance and consequence competence in a technology-based professional development for agricultural science teachers: An evaluation of the Lincoln Electric Welding Technology Workshop. *Paper presented at the 2012 Western Region – American Association for Agricultural Education Conference*, Bellingham, WA.

2011

Saucier, P. R., & McKim, B. R. (2011, October). Safety in the agricultural mechanics laboratory: A needs assessment of Tennessee school-based agricultural educators. *Paper presented at the 30th National Agricultural Mechanics Committee Blue Ribbon Professional Development Conference*, Indianapolis, IN.

Saucier, P. R., & McKim, B. R. (2011, May). Essential agricultural mechanics skill areas for early-career Missouri agricultural education: A Delphi approach. *Paper presented at the 2011 American Association for Agricultural Education Conference*, Coeur d'Alene, ID.

Saucier, P. R., & Terry, Jr., R. (2011, May). Technical curriculum professional development needs of Missouri school-based agriculture teachers based upon career stage. *Paper presented at the 2011 American Association for Agricultural Education Conference*, Coeur d'Alene, ID.

IV. Peer Reviewed Research (continued)

b. Refereed Conference Proceedings (continued)

2011 (continued)

McKim, B. R., & **Saucier, P. R.** (2011, May). A multi-state factor-analytic and psychometric meta-analysis of agricultural mechanics laboratory management competencies. *Paper presented at the 2011 American Association for Agricultural Education Conference*, Coeur d'Alene, ID.

Saucier, P. R., Vincent, S. K., & Anderson, R. G. (2011, May). Agricultural mechanics laboratory safety: professional development needs of Kentucky school-based agricultural educators. *Paper presented at the 2011 American Association for Agricultural Education Conference*, Coeur d'Alene, ID.

Saucier, P. R., & McKim, B. R. (2011, April). Essential agricultural mechanics skill areas for early-career Missouri agricultural education: A Delphi approach. *Paper presented at the 2011 Western Region – American Association for Agricultural Education Conference*, Fresno, CA.

Saucier, P. R., & Terry, Jr., R. (2011, April). Technical curriculum professional development needs of Missouri school-based agriculture teachers based upon career stage. *Paper presented at the 2011 Western Region – American Association for Agricultural Education Conference*, Fresno, CA.

McKim, B. R., & **Saucier, P. R.** (2011, April). A multi-state factor-analytic and psychometric meta-analysis of agricultural mechanics laboratory management competencies. *Paper presented at the 2011 Western Region – American Association for Agricultural Education Conference*, Fresno, CA.

Saucier, P. R., Vincent, S. K., & Anderson, R. G. (2011, February). Agricultural mechanics laboratory safety: professional development needs of Kentucky school-based agricultural educators. *Paper presented at the 2011 Southern Region – American Association for Agricultural Education Conference*, Corpus Christi, TX.

2010

Saucier, P. R., & McKim, B. R. (2010, December). Agricultural mechanics laboratory management professional development needs of Texas agricultural education student teachers. *Paper presented at the 2010 Association for Career and Technical Education Conference*, Las Vegas, NV.

IV. Peer Reviewed Research (continued)

b. Refereed Conference Proceedings (continued)

2010 (continued)

Saucier, P. R., & McKim, B. R. (2010, October). A meta-analysis of teacher self-efficacy towards agricultural mechanics laboratory management. *Paper presented at the 29th National Agricultural Mechanics Committee Blue Ribbon Professional Development Conference,* Indianapolis, IN, 39-52.

Saucier, P. R., & Tummons, J. D. (2010, October). Career development event professional development needs of Missouri agricultural educators. *Paper presented at the 29th National Agricultural Mechanics Committee Blue Ribbon Professional Development Conference,* Indianapolis, IN, 23-38.

McKim, B. R., **Saucier, P. R.**, & Reynolds, C. L. (2010, May). Laboratory management in-service needs of Wyoming secondary agriculture teachers. *Paper presented at the 2010 American Association for Agricultural Education Conference,* Omaha, NE.

Saucier, P. R., Tummons, J. D., Terry, Jr., R, & Schumacher, L. G. (2010, May). Professional development in-service needs of Missouri agricultural educators. *Paper presented at the 2010 American Association for Agricultural Education Conference,* Omaha, NE.

McKim, B. R., **Saucier, P. R.**, & Reynolds, C. L. (2010, April). Laboratory management in-service needs of Wyoming secondary agriculture teachers. *Paper presented at the 2010 Western Region of the American Association for Agricultural Education Conference,* Great Falls, MT.

Saucier, P. R., McKim, B. R., Murphy, T., & Terry, Jr., R. (2010, April). Professional development needs related to agricultural mechanics laboratory management for agricultural education student teachers in Texas. *Paper presented at the 2010 Western Region of the American Association for Agricultural Education Conference,* Great Falls, MT.

Saucier, P. R., Tummons, J. D., Terry, Jr., R, & Schumacher, L. G. (2010, February). Professional development in-service needs of Missouri agricultural educators. *Paper presented at the 2010 Southern Region of the American Association for Agricultural Education Conference*, Orlando, FL.

IV. Peer Reviewed Research (continued)

b. Refereed Conference Proceedings (continued)

2009

Saucier, P. R., Funkenbusch, K., Schumacher, L. G., & Madsen, M. (2009, June). A review of Midwestern all- terrain vehicle accidents, injuries and fatalities. *Paper presented at the 2009 National Institute for Farm Safety Conference*, New Orleans, LA.

Saucier, P. R., Schumacher, L. G., & Funkenbusch, K. (2009, April). A multi-state review of all-terrain vehicle accidents, injuries, and fatalities. *Paper presented at the 2009 Annual Mid-Central Meeting of the American Society of Agricultural and Biological Engineers*, Ames, IA.

Saucier, P. R., Terry, Jr., R, & Schumacher, L. G. (2009, February). Laboratory management in- service needs of Missouri agriculture educators. *Paper presented at the 2009 Southern Region of the American Association for Agriculture Education Conference*, Atlanta, GA, 176-192.

2008

Saucier, P. R., Schumacher, L. G., & Funkenbusch, K. (2008, October). A review of Missouri all-terrain vehicle accidents, injuries, and fatalities. *Paper presented at the 27th National Agricultural Mechanics Committee Blue Ribbon Poster Session*, Indianapolis, IN, 27-37.

IV. Peer Reviewed Research (continued)

c. Refereed Conference Abstracts Published in Proceedings

2016

Saucier, P. R., & Langley, G. C. (2016, July). Assessing knowledge, performance, and consequence competence in a technology-based professional development for school-based agricultural educators: An evaluation of the CNC Plasma Cutting Technology Workshop. *Abstract presented orally at the 2016 Annual International Meeting of the American Society of Agricultural and Biological Engineers, Orlando, FL.*

Langley, G. C., & **Saucier, P. R.** (2016, July). Professional development needs of Texas school-based agricultural educators regarding CNC plasma cutting technology: A snapshot assessment method. *Abstract presented orally at the 2016 Annual International Meeting of the American Society of Agricultural and Biological Engineers, Orlando, FL.*

2014

Morrish, D. M., **Saucier, P. R.**, Espinoza, J., & Vela, D. (2014, June). Retention, persistence, and completion strategies: A comparison of USDA-HSI grant students to the general Hispanic student population. *Abstract presented as a poster at the 2014 North American Colleges & Teachers of Agriculture conference,* Bozeman, MT.

2009

Saucier, P. R., Schumacher, L. G., & Tummons, J. D. (2009, June). Essential agricultural mechanics skills for beginning agriculture educators as perceived by expert Missouri agricultural educators. *Paper presented at the 2009 Annual International Meeting of the American Society of Agricultural and Biological Engineers,* Reno, NV.

2008

Saucier, P. R., Schumacher, L. G., Terry, Jr., R., Funkenbusch, K., & Johnson, D. M. (2008, June). Agricultural mechanics laboratory management competencies: A review of perceptions of Missouri agricultural science teachers concerning importance and performance ability. *Paper presented at the 2008 Annual International Meeting of the American Society of Agricultural and Biological Engineers,* Providence, RI.

IV. Peer Reviewed Research (continued)

d. Refereed Research Posters Printed in Conference Proceedings

2016

Holloway, C. D., Pierce, W. H., Roe, C. L., **Saucier, P. R.**, & Muller, J. E. (2016, October). An analysis of a professional development workshop for school-based agriculture teachers: A focus on the instruction of STEM-based metal fabrication processes. *Poster presented at the 35th National Agricultural Mechanics Committee Blue Ribbon Poster Session,* Indianapolis, IN.

Lewandowski, H., **Saucier, P. R.**, & Muller, J. E. (2016, October). An analysis of student safety education: Student safety habits in and out of the agricultural mechanics laboratory. *Poster presented at the 35th National Agricultural Mechanics Committee Blue Ribbon Poster Session,* Indianapolis, IN.

Riggin, E., **Saucier, P. R.**, & Muller, J. E. (2016, October). Professional development needs of early career Texas agricultural science teachers: A focus on agricultural mechanics. *Poster presented at the 35th National Agricultural Mechanics Committee Blue Ribbon Poster Session,* Indianapolis, IN.

Langley, G. C., & **Saucier, P. R.** (2016, July). Professional development needs of Texas school-based agricultural educators regarding CNC plasma cutting technology: A snapshot assessment method. *Poster presented at the 2016 Annual International Meeting of the American Society of Agricultural and Biological Engineers, Orlando, FL.*

Saucier, P. R., & Langley, G. C. (2016, July). Assessing knowledge, performance, and consequence competence in a technology-based professional development for school-based agricultural educators: An evaluation of the CNC Plasma Cutting Technology Workshop. *Poster presented at the 2016 Annual International Meeting of the American Society of Agricultural and Biological Engineers, Orlando, FL.*

Byrd, A. P., **Saucier, P. R.**, & Anderson, R. G. (2016, June). Secondary agricultural education student injuries and other accidents sustained in an agricultural mechanics laboratory. *Poster presented at the 2016 North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.*

Langley, G. C., & **Saucier, P. R.** (2016, June). Professional development needs of Texas school-based agricultural educators regarding CNC plasma cutting technology: A snapshot assessment method. *Poster presented at the 2016 North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.*

IV. Peer Reviewed Research (continued)

d. Refereed Research Posters Printed in Conference Proceedings (continued)

2016 (continued)

Saucier, P. R., Byrd, A. P., & Anderson, R. G. (2016, June). Laboratory management professional development needs of Iowa secondary agricultural education teachers. *Poster presented at the 2016 North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.*

Saucier, P. R., & Langley, G. C. (2016, June). Assessing knowledge, performance, and consequence competence in a technology-based professional development for school-based agricultural educators: An evaluation of the CNC Plasma Cutting Technology Workshop. *Poster presented at the 2016 North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.*

2015

Saucier, P. R., Roe, C. L., & Muller, J. E. (2015, October). *An examination of the shortage of agricultural mechanics teachers in Texas: A review of desired employability characteristics by administrators and local school districts*. Poster session presented at the 34th National Agricultural Mechanics Committee Blue Ribbon Research Conference, Louisville, KY.

Saucier, P. R., Geiken, K. B., & Muller, J. E. (2015, October). *Career satisfaction of Texas school-based female agriculture mechanics teachers: An examination of influential factors*. Poster session presented at the 34th National Agricultural Mechanics Committee Blue Ribbon Research Conference, Louisville, KY.

Garcia, J., **Saucier, P. R.**, & Morrish, D. M. (2015, June). *Perceived barriers and supportive factors influencing Hispanic/Latino students at Texas State University*. Poster session presented at the 2015 North American Colleges and Teachers of Agriculture Conference, Athens, GA.

Roe, C. L., & **Saucier, P. R.** (2015, June). *An examination of school-based Texas agriculture science teacher position announcements for the 2014-2015 academic school year: Are teachers prepared to meet these challenges?* Poster session presented at the 2015 North American Colleges and Teachers of Agriculture Conference, Athens, GA.

2014

Geiken, K. B., & **Saucier, P. R.** (2014, October). *What skills should a new agriculture teacher be able to instruct in the agricultural mechanics laboratory? A national Delphi study.* Poster session presented at the 33rd National Agricultural Mechanics Committee Blue Ribbon Research Conference, Louisville, KY.

IV. Peer Reviewed Research (continued)

d. Refereed Research Posters Printed in Conference Proceedings (continued)

2014 (continued)

Peet, K., & **Saucier, P. R.** (2014, October). *Are biofuels the answer? A comparison of traditional D2 diesel fuel and biodiesel blended fuels in a Massey Ferguson 2615 farm utility tractor.* Poster session presented at the 33rd National Agricultural Mechanics Committee Blue Ribbon Research Conference, Louisville, KY.

Geiken, K., & **Saucier, P. R.** (2014, May). *Agricultural laboratory safety education exposure levels of students participating in the 2013 Houston Livestock Show and Rodeo Agricultural Mechanics Project Show*. Poster session presented at the 2014 American Association for Agricultural Education Conference, Salt Lake City, UT.

Saucier, P. R., McKim, B. R., & Spiess, M. (2014, May). *How safe are our laboratories for student learning? A focus on the professional development needs of California agricultural mechanics teachers.* Poster session presented at the 2014 American Association for Agricultural Education Conference, Salt Lake City, UT.

2013

Saucier, P. R., & Garcia, J. M. (2013, October). *The physical health and lifestyle habits of Texas agriculture science teachers*. Poster session presented at the 32nd National Agricultural Mechanics Committee Blue Ribbon Research Conference, Louisville, KY.

Wenske, C., & **Saucier, P. R.** (2013, October). *Diesel fuel performance in a farm utility tractor: a comparison of traditional D2 diesel fuel and biodiesel blended fuels*. Poster session presented at the 32nd National Agricultural Mechanics Committee Blue Ribbon Research Conference, Louisville, KY.

Saucier, P. R. (2013, May). *Factors impacting the instructional curriculum choices of Missouri school-based agricultural mechanics educators.* Poster session presented at the 2013 American Association for Agricultural Education Conference, Columbus, OH.

Garcia, J. M., & **Saucier, P. R.** (2013, May). *The impact of work-related stress on the job performance of Texas agricultural science teachers.* Poster session presented at the 2013 American Association for Agricultural Education Conference, Columbus, OH.

IV. Peer Reviewed Research (continued)

d. Refereed Research Posters Printed in Conference Proceedings (continued)

2013 (continued)

Saucier, P. R., McKim, B. R., & Swan, M. K. (2013, May). *Safely managing school-based agricultural mechanics laboratory: A focus on the continuing education needs of Washington agricultural education teachers.* Poster session presented at the 2013 American Association for Agricultural Education Conference, Columbus, OH.

2012

Saucier, P. R., McKim, B. R., Stair, K., & Rosencrans, C. (2012, May). *Meeting the professional development needs of New Mexico school-based agricultural educators: A focus on management of the agricultural mechanics laboratory.* Poster session presented at the 2012 American Association for Agricultural Education Conference, Asheville, NC.

Saucier, P. R., McKim, B. R., Stair, K., & Rosencrans, C. (2012, May). *Meeting the professional development needs of New Mexico school-based agricultural educators: A focus on management of the agricultural mechanics laboratory.* Poster session presented at the 2012 Western Region of the American Association for Agricultural Education Conference, Bellingham, WA.

2011

Saucier, P. R., McKim, B. R., & Tummons, J. D. (2011, May). *Essential agricultural mechanics skills for beginning agricultural educators: A Delphi approach*. Poster session presented at the 2011 American Association for Agricultural Education Conference, Coeur d'Alene, ID.

Saucier, P. R., Killingsworth, J. L., & Tummons, J. D. (2011, February). *Self-perceived levels of importance of agricultural mechanics laboratory management competencies by agricultural education pre-service students*. Poster session presented at the 2011 Southern Region for the American Association for Agricultural Education Conference, Corpus Christi, TX.

Saucier, P. R., McKim, B. R., & Tummons, J. D. (2011, February). *Essential agricultural mechanics skills for beginning agricultural educators: A Delphi approach*. Poster session presented at the 2011 Southern Region for the American Association for Agricultural Education Conference, Corpus Christi, TX.

IV. Peer Reviewed Research (continued)

d. Refereed Research Posters Printed in Conference Proceedings (continued)

2010

Saucier, P. R., Tummons, J. D., Schumacher, L. G., & Terry, Jr., R. (2010, May). *FFA professional development needs of Missouri agricultural educators*. Poster session presented at the 2010 National American Association for Agricultural Education Conference, Omaha, NE.

Saucier, P. R., Terry, Jr., R., & Schumacher, L. G. (2010, May). *Characteristics of Missouri agricultural mechanics programs: A generational review*. Poster session presented at the 2010 National American Association for Agricultural Education Conference, Omaha, NE.

Saucier, P. R., & McKim, B. R. (2010, April). *Agricultural mechanics experience of Texas agricultural education student teachers.* Poster session presented at the 2010 Western Region of the American Association for Agricultural Education Conference, Great Falls, MT.

Saucier, P. R., Terry, Jr., R., & Schumacher, L. G. (2010, February). *Characteristics of Missouri agricultural mechanics programs: A generational review*. Poster session presented at the 2010 Southern Region of the American Association for Agricultural Education Conference, Orlando, FL.

2009

Saucier, P. R., Tummons, J. D., Schumacher, L. G., & Terry, Jr., R. (2009, October). *FFA professional development needs of Missouri agricultural educators*. Poster session presented at the 2009 North Central Region of the American Association for Agricultural Education Conference, Lincoln, NE.

Saucier, P. R., & Terry, Jr., R. (2009, May). *Selected demographics of Missouri agricultural mechanics programs*. Poster session presented at the 2009 American Association for Agricultural Education Conference, Louisville, KY.

2008

Saucier, P. R., & Terry, Jr., R. (2008, October). *Selected demographics of Missouri agricultural mechanics programs*. Poster session presented at the 2008 North Central Region of the American Association for Agricultural Education Conference, Ithaca, NY.

IV. Peer Reviewed Research (continued)

e. Refereed Innovative Idea Posters Printed in Conference Proceedings

2015

Saucier, P. R., Pierce, W. H., & Muller, J. E. (2015, October). *The integration of science, technology, engineering, and mathematics (STEM) competencies into the Texas agricultural mechanics metal fabrication curriculum: A professional development model for school-based agricultural educators.* Poster session presented at the 34th National Agricultural Mechanics Committee Blue Ribbon Research Conference, Louisville, KY.

2012

Saucier, P. R., & McKim, B. R. (2012, May). *Evaluating industry sponsored professional development education: A focus on the Lincoln Electric Welding Technology Workshop*. Poster session presented at the 2012 American Association for Agricultural Education Conference, Asheville, NC.

Saucier, P. R., McKim, B. R., & Edney, K. C. (2012, May). *Integrating science, technology, engineering, and mathematics (STEM) competencies into the Texas agricultural mechanics curriculum: A professional development model for school-based agricultural educators.* Poster session presented at the 2012 American Association for Agricultural Education Conference, Asheville, NC.

Saucier, P. R. & McKim, B. R., (2012, May). *Evaluating industry sponsored professional development education: A focus on the Lincoln Electric Welding Technology.* Poster session presented at the 2012 American Association for Agricultural Education Conference, Asheville, NC.

Saucier, P. R., McKim, B. R., & Edney, K. C. (2012, April). *Integrating science, technology, engineering, and mathematics (STEM) competencies into the Texas agricultural mechanics curriculum: A professional development model for school-based agricultural educators.* Poster session presented at the 2012 Western Region for the American Association for Agricultural Education Conference, Bellingham, WA.

2011

Saucier, P. R., Langley, G. C., Harrell, W. R., & Tummons, J. D. (2011, February). *Tractor technician career development event: Classroom instruction to career opportunities.* Poster session presented at the 2011 Southern Region for the American Association for Agricultural Education Conference, Corpus Christi, TX.

IV. Peer Reviewed Research (continued)

e. Refereed Innovative Idea Posters Printed in Conference Proceedings (continued)

2010

Tummons, J. D., & **Saucier, P. R.** (2010, October). *Teacher professional development through winter technical institutes: Meat processing and evaluation*. Poster session presented at the 2010 North Central Region for the American Association for Agricultural Education Conference, Manhattan, KS.

Saucier, P. R., & Tummons, J. D. (2010, May). *Professional development through winter technical institutes: Agricultural electrification*. Poster session presented at the 2010 National American Association for Agricultural Education Conference, Omaha, NE.

Saucier, P. R., & Tummons, J. D. (2010, February). *Agricultural Mechanics Professional Development through Summer Technical Institutes.* Poster session presented at the 2010 Southern Region of the American Association for Agricultural Education Conference, Orlando, FL.

2009

Saucier, P. R., & Tummons, J. D. (2009, September). *Professional development through winter technical institutes: Agricultural electrification*. Poster session presented at the 2009 North Central Region of the American Association for Agricultural Education Conference, Lincoln, NE.

Saucier, P. R., Lambert, M. D, & Terry, Jr., R. (2009, May). *Using vodcasts for reflective teaching within an agricultural mechanics course.* Poster session presented at the 2009 American Association for Agricultural Education Conference, Louisville, KY.

IV. Peer Reviewed Research (continued)

f. Non-refereed graduate student research posters

2016

Pierce, W. H., Roe, C. L., **Saucier, P. R.**, & Muller, J. E. (2016, March). An analysis of a professional development workshop for school-based agriculture teachers: A focus on oxygen fuel welding, cutting, and bending, and plasma arc cutting. *Agricultural Consortium of Texas Conference, Stephenville, TX*.

Pierce, W. H., Roe, C. L., **Saucier, P. R.**, & Muller, J. E. (2016, March). An analysis of a professional development workshop for school-based agriculture teachers: A focus on the GMAW and SMAW processes. *Agricultural Consortium of Texas Conference, Stephenville, TX*.

Roe, C. L., Pierce, W. H., **Saucier, P. R.**, & Muller, J. E. (2016, March). An analysis of a professional development workshop for school-based agriculture teachers: A focus on metal fabrication equipment. *Agricultural Consortium of Texas Conference, Stephenville, TX*.

Roe, C. L. Pierce, W. H., **Saucier, P. R.**, & Muller, J. E. (2016, March). An analysis of a professional development workshop for school-based agriculture teachers: A focus on trailer design and fabrication. *Agricultural Consortium of Texas Conference, Stephenville, TX*.

Roe, C. L. Pierce, W. H., **Saucier, P. R.**, & Muller, J. E. (2016, March). *An examination of the shortage of agricultural mechanics teachers in Texas: A review of desired employability characteristics by administrators and local school districts*. *Agricultural Consortium of Texas Conference, Stephenville, TX*.

2013

Garcia, J. M., **Saucier, P. R.**, Morrish, D. G., & Bond, N. (2013, March). *Perceived barriers and supporting factors influencing Hispanic/Latino students at Texas State University-San Marcos to achieving higher education*. Poster session presented at the 2013 Graduate Student Research Seminar, San Marcos, TX.

Morales, D., Morrish, D. M., & **Saucier, P. R.** (2013, March). *Hispanic/Latino student perceptions of agriculture and their knowledge levels of the different agencies within the USDA.* Poster session presented at the 2013 Graduate Student Research Seminar, San Marcos, TX.

IV. Peer Reviewed Research (continued)

g. Non-refereed undergraduate research posters

2013

Vela, D., Morrish, D. G., & **Saucier, P. R.** (2013, March). *USDA internship at Midewin National Tallgrass Prairie*. Poster session presented at the 2013 Undergraduate Student Research Seminar, San Marcos, TX.

h. Non-refereed grant summary posters

2013

Morrish, D. G., **Saucier, P. R.**, & Garza, N. (2013, March). *Food safety and agroterrorism training: Educating our future workforce.* USDA Hispanic Serving Institution Research Symposium, San Marcos, TX.

2012

Morrish, D. G., **Saucier, P. R.**, & Garza, N. (2012, October). *Food safety and agroterrorism training: Educating our future workforce.* USDA Hispanic Serving Institution Project Directors Meeting, Washington, D.C.

V. Professional Service

a. University Service

Sam Houston State University

Sam Houston State University, College of Science and Engineering Technology, Fall Commencement, December 2016

Sam Houston State University, Institutional Review Board Committee, Committee Member, 2016–2017

Sam Houston State University, College of Science, Spring Commencement, May 2016

Sam Houston State University, College of Science, Fall Commencement, December 2015

Texas State University

Texas State University, Undergraduate Marshall, College of Applied Arts, Fall Commencement, December 2010 and May 2012

Texas State University, Faculty Representative, College of Applied Arts, Commencement, May 2013, May 2014, August 2014, December 2014, Spring 2015, & Summer 2015

b. Departmental Service

Sam Houston State University

Sam Houston State University, Department of Agricultural Sciences and Engineering Technology, Curriculum Committee, Committee Member, 2016-2017

Sam Houston State University, Department of Agricultural Sciences and Engineering Technology, Scholarship Committee, Committee Member, 2016-2017

Sam Houston State University, Department of Agricultural Sciences and Engineering Technology, Houston Livestock Show and Rodeo, Recruitment Booth Volunteer, March 3rd and 18th, 2016 (30 hours)

Sam Houston State University, Department of Agricultural Sciences and Engineering Technology, Supervision of 2 Student Teachers during the Spring 2016 semester, Bryan Potter and Bethany Whitten, January – May 2016

Sam Houston State University Agricultural Alumni Association, Faculty Representative, Editor of Departmental Newsletter, Fall 2016 to present

V. Professional Service (continued)

b. Departmental Service (continued)

Sam Houston State University, Department of Agricultural Sciences and Engineering Technology, Saturday@SAM, AET Program Presenter, November 2015

Sam Houston State University, Department of Agricultural Sciences and Engineering Technology, EXcEL@SAM, Committee Member, AET Program Presenter, October 2015

Texas State University

Texas State University, Department of Agriculture, Meat N' Great Organizer, September 2012

Texas State University, Department of Agriculture, Senior Lecturer Search Committee, Committee Member, July 2012

Texas State University, Department of Agriculture, Scholarship Committee, Committee Chair, 2011 to 2015; Committee Member 2010

SWTTSU Agriculture Alumni Association, Faculty Co-Advisor, 2010 to 2013

Texas FFA Convention, Recruitment for the Department of Agriculture, Texas State University, Lubbock, TX, July 2011

Bobcat Days, Faculty Recruitment, April 2011, April 2012, April 2013, October 2014

Texas FFA Convention, Recruitment for the Department of Agriculture, Texas State University, Corpus Christi, TX, July 2010

Texas State University, Invitational Leadership Development Event Contest, November 2010, November 2011, November 2012, and November 2013

Texas State University, Invitational Tractor Technician Career Development Event Contest, Event Coordinator, December 2010

Texas State University, Agricultural Technology and Mechanical Systems Career Development Event Contest, Superintendent, 2010 to present

Texas State University, Department of Agriculture, M.S. Proposal Committee, Committee Member, 2011 to 2015

Texas State University, Department of Agriculture, Student Learning Outcome Committee, Committee Member, 2011 & 2012

V. Professional Service (continued)

b. Departmental Service (continued)

Texas State University

Texas State University, Department of Agriculture, Budget Committee, Committee Member, 2010 & 2011

Texas State University, Department of Agriculture, Career Development Event Committee, Committee Member, 2010 & 2011

Texas State University, Department of Agriculture, Curriculum Committee, Committee Member, 2010 & 2011

Texas Agricultural Science Teachers Professional Development Conference, Department Alumni Relations, 2010 to 2013

Texas State University, Department of Agriculture, Outreach Committee, Committee Member, 2010 to 2012, 2014 to 2015

Texas State University, Department of Agriculture, Search Committee Member, Senior Lecturer in Agricultural Education, 2012

Texas State University, Department of Agriculture, Graduate Student Application Review Committee, Committee Member, 2014 to present

Texas State University, Department of Agriculture, Search Committee Chair, Senior Lecturer in Agricultural Systems Management, Spring 2014 & Fall 2014/ Spring 2015

c. Community Service

Texas FFA Association, Leadership Development Event and Career Development Event Update Meeting, University Representative, June 2016, Stephenville, TX

Sam Houston State University Welding and Metal Fabrication Contest, Co-Superintendent, May 2016, Huntsville, TX

Texas FFA Association, State Agricultural Technology and Mechanical Systems Career Development Event, Associate Superintendent, April 2016, Huntsville, TX

Area 9 FFA Association, Sam Houston District, Judge, Extemporaneous Public Speaking, April 2016, Crockett, TX

Area 3 & 9 FFA Associations, Area Agricultural Technology and Mechanical Systems Career Development Event, Co-Superintendent, April 2016, Huntsville, TX

V. Professional Service (continued)

c. Community Service (continued)

Polk County Fair, Agricultural Mechanics Project Show, Judge, Livingston, TX, March 2016

Area 3, 6, & 9 FFA Tractor Technician Career Development Event, Contest Coordinator, January 2016, Huntsville, TX

Bring Your Own Rig Welding and Fabrication Competition, La Porte FFA, Judge and Safety Coordinator, La Porte, TX, January 2016

Texas FFA Association, State Leadership Development Event Contest, Facility Coordinator, Huntsville, TX, December 2015

Hardin County Fair, Agricultural Mechanics Project Show, Judge, Silsbee, TX, October 2015

Hardin County Welding Contest, Judge, Silsbee, TX, October 2016

Austin County Tractor Technician Invitational Career Development Event, Judge, Bellville, TX, October 2014 & 2015

Anderson County Fair, Agricultural Mechanics Project Show, Judge, April 2014 & April 2015, Palestine, TX

Walker County Fair, Supervised Project Show, Co-Chair, October 2015 - present; Judge, April 2014 & April 2015; Director, June 2016 to present, Huntsville, TX

Cy-Fair Independent School District, Agricultural Mechanics Project Show, Judge, March 2014, March 2015, & February 2017, Cypress, TX

Guadalupe County Junior Livestock Show, Agricultural Mechanics Project Show, Judge, January 2013, January 2014, January 2015, Seguin, TX

Houston Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, Judge, March 2011, March 2012, & March 2013, SHSU Student Volunteer Coordinator, March 2016, Houston, TX

San Antonio Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, Student Volunteer Coordinator, February 2011- present; Judge, February 2010, February 2014,; Project Re-Classification Committee – Chair, February 2015 – present, San Antonio, TX

Bee County Junior Livestock Show, Agricultural Mechanics Project Show Judge, January 2011 & January 2012, Beeville, TX

V. Professional Service (continued)

c. Community Service (continued)

Nueces County Junior Livestock Show, Agricultural Mechanics Project Show Judge, January 2011- present, Robstown, TX

Sealy FFA, Invitational Tractor Technician Career Development Event Contest, Judge, January 2011 & January 2012, Sealy, TX

Blinn Junior College, Agricultural Mechanics Project Show, Judge, May 2011, Brenham, TX

Decatur FFA, FFA Officer Election, Application Judge, May 2011, Decatur, TX

Area 3, Leader Development Event, Greenhand Farm Skills, Judge, November 2010, Brenham, TX

Area 7, Leadership Development Event, Senior and Greenhand Quiz Contest, Scorer, November 2010, Blanco, TX

Brazos FFA Antique Tractor Show, Judge, June 2010, Wallis, TX

d. Professional Service

Western Region of the American Association for Agricultural Education Research Conference, Research Poster Judge, Tucson, AZ, June 2016

35th National Agricultural Mechanics Blue Ribbon Research Conference, Innovative Teaching Poster Reviewer and Judge, Indianapolis, IN, October 2016

34th National Agricultural Mechanics Blue Ribbon Research Conference, Research Paper Reviewer & Judge, Louisville, KY, October 2015

Southern Region of the American Association for Agricultural Education Research Conference, Research Innovative Idea Poster Judge, Atlanta, GA, February 2015

Journal of Agricultural Systems, Technology, and Management, Journal Article Reviewer, November 2014

Journal of Agricultural Systems, Technology, and Management, Journal Article Reviewer, August 2014

North Central Region of the American Association for Agricultural Education Research Conference, Innovative Idea and Research Poster Judge, Morgantown, WV, October 2014

V. Professional Service (continued)

d. Professional Service (continued)

Western Region of the American Association for Agricultural Education Research Conference, Research Paper Reviewer, Kona, HI, September 2014

American Association for Agricultural Education Research Conference, Research Presentation Facilitator – Section E – Agricultural Mechanics, Salt Lake City, UT, May 2014

American Association for Agricultural Education Research Conference, Professional Development Facilitator – Coaching and Mentoring Program Meet and Greet, Salt Lake City, UT, May 2014

American Association for Agricultural Education Research Conference, Professional Development Faculty Mentor – First-Time AAAE Member/Graduate Student Reception, Salt Lake City, UT, May 2014

American Association for Agricultural Education Research Conference, Research Paper Reviewer, Salt Lake City, UT, May 2014

Southern Region of the American Association for Agricultural Education Research Conference, Innovative Idea Poster Judge, Dallas, TX, February 2014

North Central Region of the American Association for Agricultural Education Research Conference, Research Poster Judge, Platteville, WI, September 2013

Western Region of the American Association for Agricultural Education Research Conference, Innovative Idea Poster Judge, Lubbock, TX, September 2013

American Association for Agricultural Education Research Conference, Research Paper Reviewer, Columbus, OH, May 2013

Journal of Human Sciences and Extension, Journal Article Reviewer, April 2013

National Agricultural Technology and Mechanical Systems Career Development Event (formerly known as the National Agricultural Mechanics CDE), Associate Superintendent for the Environmental and Natural Resources Skill, 2011 to 2014; Associate Superintendent for the Machine and Equipment Skill, 2015 to present; Committee Member, 2010 to present

North Central Region of the American Association for Agricultural Education Research Conference, Conference Abstract Reviewer, July 2012

Journal of Agricultural Education, Journal Article Reviewer, July 2012

V. Professional Service (continued)

d. Professional Service (continued)

Journal of Agricultural Systems, Technology, and Management, Journal Article Reviewer, July 2012

Utah Association of Agricultural Educators, Rookie of the Year Award, Judge, June 2012
American Association for Agricultural Education, Agricultural Mechanics Special Interest Group, Chair Elect, May 2012

American Association for Agricultural Education Research Conference, Innovative Idea Poster Reviewer, Asheville, NC, March 2012

Southern Region of the American Association for Agricultural Education Research Conference, Research Poster Reviewer, Birmingham, AL, February 2012

National Agricultural Mechanics Professional Development Blue Ribbon Papers, Paper Reviewer, Indianapolis, IN, September 2010, October 2011, and October 2012; Innovative Idea Poster Abstract Reviewer, September 2014, September 2016; Conference Awards Chair, October 2012 to present

Texas Agricultural Mechanics Career Development Event, Superintendent, 2011-2013
North Central Region of the American Association for Agricultural Education Research Conference, Innovative Idea Poster Reviewer, State College, PA, September 2011

Western Region of the American Association for Agricultural Education, Professional Development Committee, Committee Member, 2011 – 2014

American Association for Agricultural Education Research Conference, Innovative Idea Poster Reviewer and Judge, Coeur d'Alene, ID, March 2011 and May 2011

Western Region of the American Association for Agricultural Education Research Conference, Research Poster Judge, Fresno, CA, April 2011

Pennsylvania State University, College of Agricultural Sciences, Department of Agricultural and Extension Education, Course Reviewer, April 2011

Association for Career and Technical Education Conference, Workshop Presenter, *Avoiding Disaster: Safely Managing and Utilizing an Agricultural Mechanics Laboratory for Effective Student Instruction*, Las Vegas, NV, December 2010

Texas FFA Association, State Degree Scholarship Award Advisor, Stephenville, TX, June 2010

V. Professional Service (continued)

e. Student Organizational Service

Sam Houston State University, Agricultural Engineering Technology Club, Faculty Co-Advisor, 2015 to present

Sam Houston State University, Trap and Skeet Club, Faculty Advisor, 2016 to present

Texas State University, Agricultural Alumni Association, Faculty Co-Advisor, 2010 to 2015

Texas State University, Agricultural Ambassadors, Faculty Advisor, 2011 to 2015

Texas State University, Agricultural Systems Association, Faculty Advisor, 2010 to 2015

Texas State University, Collegiate FFA, Faculty Co-Advisor, 2010 to 2012

Texas State University, Minorities in Agriculture, Natural Resources, and Related Sciences, Faculty Advisor, 2011 to 2014

f. Professional/ Community Organization Membership

American Association for Agricultural Education, member (2007-present)

Texas Hispanic Serving Institutions Consortium, member (2010 – 2015)

Vocational Agricultural Teachers Association of Texas, Associate member (2004 – present)

Walker County Fair Association, member (2016 – present)

V. Professional Service (continued)

g. Graduate Theses/Dissertation, Exit Committees, Undergraduate Student Research Projects

Sam Houston State University

Casey Roe, M.S. Committee Chair, Graduate Comprehensive Exam Committee, Spring 2016 to present

Rachel Feinberg, M.S. Committee Chair, Graduate Comprehensive Exam Committee, Spring 2016 to present

Wade Pierce, M.S. Committee Chair, Graduate Comprehensive Exam Committee, Spring 2016 to present

Emily Riggin, Undergraduate Research Supervisor, January 2016 to present

Hannah Lewandowski, Undergraduate Research Supervisor, January 2016 to present

h. Graduate Theses/Dissertation, Exit Committees, Undergraduate Student Research Projects (continued)

Texas State University

Thomas Bloxham, M.S. Graduate Written Exam Committee, Committee Member, Summer 2011

Alyson Ivey, M.S. Graduate Oral Exam Committee, Committee Member, Spring 2011

Wes Drzymala, M.S. Graduate Oral Exam Committee, Committee Member, Spring 2011

Gian Cervantes, M.S. Thesis Chair, Thesis Committee, Spring 2011 to Spring 2013

Juan Garcia, M.S. Graduate Oral Exam Committee, Committee Member, July 2015

Stephen Riggs, M.S. Graduate Oral Exam Committee, Committee Member, Spring 2014

Kaci Geiken, M.S. Thesis Chair, Thesis Committee, July 2015

V. Professional Service (continued)

i. Invited Talks, Lectures, Presentations

Saucier, P. R., & Muller, J.E. (2016, Fall). *Agricultural Engineering Technology Program at Sam Houston State University.* Agriculture 1131: Introduction to Professional Leadership Skills, Huntsville, TX. *(Departmental Service Presentation)*

Muller, J.E., & **Saucier, P.R.** (2016, Spring). *Agricultural Engineering Technology Program at Sam Houston State University*. Saturday@SAM. Huntsville, TX. (Departmental Service Presentation)

Saucier, P. R., & Muller, J.E. (2016, Spring). *Agricultural Engineering Technology Program at Sam Houston State University.* Agriculture 1131: Introduction to Professional Leadership Skills, Huntsville, TX. *(Departmental Service Presentation)*

Saucier, P. R. (2015, Fall). *Preparing to be an Awesome Ag Teacher*. Sam Houston State University, Collegiate FFA meeting, Huntsville, TX. *(Student Organization Service Presentation)*

Saucier, P. R., & Muller, J.E. (2015, Fall). *Agricultural Engineering Technology Program at Sam Houston State University.* ExCEL@SAM. Huntsville, TX. *(Departmental Service Presentation)*

Saucier, P.R., & Muller, J.E. (2015, Fall). *Agricultural Engineering Technology Program at Sam Houston State University*. Saturday@SAM. Huntsville, TX. (Departmental Service Presentation)

Saucier, P. R. (2015, Fall). *Agricultural Engineering Technology Program at Sam Houston State University.* Agriculture 1131: Introduction to Professional Leadership Skills, Huntsville, TX. *(Departmental Service Presentation)*

Saucier, P. R. (2014). *Agricultural Systems Management Program at Texas State University*. Agriculture 1110: Careers in Agribusiness and Industry, San Marcos, TX. *(Departmental Service Presentation)*

Saucier, P. R. (2013). *Agricultural Systems Management Program at Texas State University*. Agriculture 1110: Careers in Agribusiness and Industry, San Marcos, TX. *(Departmental Service Presentation)*

Saucier, P. R. (2013). *Introduction to Agricultural Mechanics Projects*. Texas Agricultural Science Teachers Professional Development Conference, Corpus Christi, TX.

Saucier, P. R. (2012). *Agricultural Systems Management Program at Texas State University*. Agriculture 1110: Careers in Agribusiness and Industry, San Marcos, TX. *(Departmental Service Presentation)*

V. Professional Service (continued)

j. Invited Talks, Lectures, Presentations (continued)

Saucier, P. R. (2011). *Agricultural Systems Management Program at Texas State University*. Agriculture 1110: Careers in Agribusiness and Industry, San Marcos, TX. *(Departmental Service Presentation)*

Saucier, P. R. (2010). *Calibrating and calculating broadcast spreaders and liquid chemical sprayers*. Livingston FFA Chapter, Livingston, TX. *(Service Presentation)*

Saucier, P. R. (2010). *Introduction to electrical motors.* Columbia FFA Chapter, Columbia, MO. (*Service Presentation*)

Saucier, P. R. (2009). *Linking CDEs to the curriculum*. University of Missouri, Department of Agricultural Education, Columbia, MO. (*Professional Development Presentation*)

Saucier, P. R. (2009). *Metal fabrication techniques used for sculpture design and construction.* University of Missouri, Department of Art, Columbia, MO. (*Professional Development Presentation*)

Saucier, P. R. (2008). *A review of Missouri all-terrain vehicle accidents, injuries and fatalities*. University of Missouri Annual Agricultural Engineer Extension Conference, Columbia, MO. (*Research Presentation)*

V. Professional Service (continued)

k. Workshops Developed and Presented

2016

Saucier, P. R. (2016). National Association of Agricultural Educators Professional Development Conference, *Avoiding Disaster: Safely managing and utilizing an agricultural mechanics laboratory for effective student instruction*, Las Vegas, NV, December 2016.

Saucier, P. R. (2016). National Association of Agricultural Educators Professional Development Conference, *Mathematics in Agriculture, Food, and Natural Resources (AFNR)*: *Teaching mathematics to enhance student performance in the classroom, laboratory, and the Agricultural Technology and Mechanical Systems Career Development Event*, Las Vegas, NV, December 2016.

Saucier, P. R., & Muller, J. E. (2016). Sam Houston State University, Workshop Coordinator and Presenter, *William R. Harrell Agricultural Mechanics Teaching Fellows Program: CNC Plasma Cutting Systems (Torchmate) – From the Basics to Project Creation, September 2016.*

Saucier, P. R., & Muller, J. E. (2016). Sam Houston State University, Workshop Coordinator and Presenter, *William R. Harrell Agricultural Mechanics Teaching Fellows Program: Tractor Technician CDE – How to train a Tractor Technician CDE team, September 2016.*

Saucier, P. R., & Muller, J. E. (2016). Sam Houston State University, Workshop Coordinator and Presenter, *William R. Harrell Agricultural Mechanics Teaching Fellows Program: Gas Tungsten Arc Welding (GTAW) – GTAW for Teachers, September 2016.*

Miles, M., Prause, C., **Saucier, P. R.** (2016). Vocational Agriculture Teachers Association of Texas Professional Development Conference, *Agricultural Mechanics and Agricultural Mechanics Shows for First Timers*, Corpus Christi, TX, July 2016.

Miles, M., Prause, C., **Saucier, P. R.,** Main, M. (2016). Vocational Agriculture Teachers Association of Texas Professional Development Conference, *Introduction to Agricultural Mechanics: Agricultural Mechanics and Metal Technology*, Corpus Christi, TX, July 2016.

Prause, C., Edney, K.C., & **Saucier, P. R.** (2016). Vocational Agriculture Teachers Association of Texas Professional Development Conference, *Agricultural Swap Shop*, Corpus Christi, TX, July 2016.

Saucier, P. R., & Muller, J. E. (2016). Vocational Agriculture Teachers Association of Texas Professional Development Conference, *Sam Houston State University Welding and Metal Fabrication Contest*, Corpus Christi, TX, July 2016.

V. Professional Service (continued)

j. Workshops Developed and Presented (continued)

2016 (continued)

Saucier, P. R., & Muller, J. E. (2016). Sam Houston State University, Workshop Coordinator and Presenter, *How to train an Agricultural Technology and Mechanics Systems Career Development Team?: Tips, Tricks, and Secrets*, January 2016.

2015

Saucier, P. R., & Muller, J. E. (2015). Sam Houston State University, Workshop Coordinator and Presenter, *William R. Harrell Agricultural Mechanics Teaching Fellows Program: Shielded Metal Arc Welding (SMAW) and Gas Metal Arc Welding (GMAW),* September 2015.

Saucier, P. R., & Muller, J. E. (2015). Sam Houston State University, Workshop Coordinator and Presenter, *William R. Harrell Agricultural Mechanics Teaching Fellows Program: Oxygen – Fuel Cutting, Oxygen – Acetylene Welding, and Plasma Arc Cutting*, September 2015.

Saucier, P. R., & Muller, J. E. (2015). Sam Houston State University, Workshop Coordinator and Presenter, *William R. Harrell Agricultural Mechanics Teaching Fellows Program: Metal Fabrication Tools*, September 2015.

Saucier, P. R., & Muller, J. E. (2015). Sam Houston State University, Workshop Coordinator and Presenter, *William R. Harrell Agricultural Mechanics Teaching Fellows Program: Agricultural Mechanics STEM Laboratory Practicum*, September 2015.

Saucier, P. R. (2015). Vocational Agriculture Teachers Association of Texas Professional Development Conference, *Small gas engine technology: Theory of operations, maintenance, troubleshooting, and repair*, Waco, TX, July 2015.

2014

Saucier, P. R. (2014). Texas State University, Workshop Coordinator, *Small gas engine technology: Theory of operations, maintenance, troubleshooting, and repair*, September 2014.

2013

Saucier, P. R. (2013). Vocational Agriculture Teachers Association of Texas Professional Development Conference, *Introduction to Agricultural Mechanics Projects*, Corpus Christi, TX, August 2013.

Saucier, P. R. (2013). Texas State University, Workshop Coordinator, *Small gas engine technology: Theory of operations, maintenance, troubleshooting, and repair*, June 2013.

V. Professional Service (continued)

j. Workshops Developed and Presented (continued)

2012

Saucier, P. R. (2012). Texas State University, Workshop Coordinator, *Electricity in agriculture: Circuits, electric motors, and system controls*, June 2012.

Saucier, P. R. (2012). Texas State University, Workshop Coordinator, *Small gas engine technology: Theory of operations, maintenance, troubleshooting, repair, and STEM integration*, June 2012.

2011

Saucier, P. R. (2011). Texas State University, Presenter, *Basic Welding and Metal Fabrication Skills: No Boys Allowed*, June & August 2011.

2010

Saucier, P. R. (2010). Texas State University, Presenter, *Tractor Technician CDE Contest*, December 2010.

Saucier, P. R. (2010). Association for Career and Technical Education Conference, Workshop Presenter, *Avoiding Disaster: Safely Managing and Utilizing an Agricultural Mechanics Laboratory for Effective Student Instruction*, Las Vegas, NV, December 2010.

Saucier, P. R. (2010). Texas State University, Presenter, *Mathematics in Agriculture, Food & Natural Resources (AFNR): Teaching mathematics to enhance student performance, understanding the TEKS, and the Agricultural Mechanics CDE*, October 2010.

Saucier, P. R. (2010). Vocational Agricultural Teachers Association of Texas, *Agricultural mechanics instructional methods: Small gas engines.* Galveston, TX. *(Professional Development Presentation),* July 2010.

2008

Saucier, P. R. (2008). 2008 Area 3 Mid-Winter Agricultural Science Teachers Conference, *Instructional strategies and lab projects for introduction to agricultural mechanics and home improvement and repair classes*. College Station, TX. (*Professional Development Presentation*)

V. Professional Service (continued)

l. Invited Talks, Lectures, Presentations

2007

Saucier, P. R. (2007). Vocational Agricultural Teachers Association of Texas Professional Development Conference, *Integrating agricultural mechanics curriculum and SAE projects into 8th grade agricultural science programs*, Arlington, TX. (*Professional Development Presentation*)

VI. Grants

a. Funded External Grants and Contracts = $ 4,372,856.00

Texas State University

Saucier, P. R., & Morrish, D. G. (2014). Southwest agriculture and food security education: Preparing future leaders for a safe and secure U.S. food supply system. *United States Department of Agriculture-Hispanic Serving Institutions Program-NIFA.* Value: Year 1 = $249,904.00; Total = $998,856.00, **Principal Investigator**

Morrish, D. G., **Saucier, P. R.,** and Garza, N. R. (2013). Food safety and agroterrorism training: Education our future workforce. *United States Department of Agriculture-Hispanic Serving Institutions Program – NIFA.* Value: $885,000.00, **Co- Principal Investigator**

Morrish, D. G., **Saucier, P. R.**, and Garza, N. R. (2013). Food safety and agroterrorism training: Education our future workforce. *United States Department of Agriculture-Hispanic Serving Institutions Program – NIFA.* Value: $825,000.00, **Co- Principal Investigator**

Morrish, D. G., **Saucier, P. R.**, and Garza, N. R. (2012). Food safety and agroterrorism training: Education our future workforce. *United States Department of Agriculture- Hispanic Serving Institutions Program – NIFA.* Value: $862,000.00, **Co-Principal Investigator**

Morrish, D. G., **Saucier, P. R.**, and Garza, N. R. (2011). Food safety and agroterrorism training: Education our future workforce. *United States Department of Agriculture-Hispanic Serving Institutions Program-NIFA.* Value: $800,000.00, **Co-Principal Investigator**

Saucier, P. R. (2004). *City View I.S.D. Agricultural Mechanics Equipment Improvement*, North Texas Tech Prep Consortium, (Funded, $2,000.00), **Principal Investigator**

b. Submitted, but not Funded, External Grants and Contracts

Sam Houston State University

Saucier, P. R., & Pannkuk, T. (2016) Texas agriculture and food safety outreach education program (TAFSOEP): Developing innovative leaders for a safe and secure U.S. food supply system. United States Department of Agriculture **–** Food Safety Outreach Competitive Grants Program, May 2016, **Principal Investigator**

Saucier, P. R., & Anderson, M. J. (2016). Southern agriculture and food security education (SAFE): Developing innovative leaders for a safe and secure U.S. food supply system**.** *United States Department of Agriculture – Capacity Building Grants for Non-Land Grant Colleges of Agriculture (NLGCA) Program,* April 2016, **Principal Investigator**

Saucier, P. R., & Ullrich, D. R. (2016). Agricultural systems, sciences, sustainable, and engineering technology professional development workshops. *United States Department of Agriculture – Agriculture and Food Research Initiative Competitive Grants Program – NIFA,* March 2016, **Principal Investigator**

VI. Grants (continued)

b. Submitted, but not Funded, External Grants and Contracts (continued)

Texas State University

Southwest Agriculture and Food Security Education: Preparing Future Leaders for a Safe and Secure U.S. Food Supply System, USDA-Hispanic Serving Institutions Education Grants Program (HSI), February 2013, **Principal Investigator**

Semi-Arid Regional Alliance for Sustainable Building and Construction (SARASBC). National Science Foundation – Sustainable Energy Pathways #NSF 11-590, February 2012, **Co-Principal Investigator.**

Professional Development Needs of Texas Agricultural Mechanics Teachers, Texas State University-San Marcos, October 2011, **Principal Investigator**

30 x $10,000 Technology Grant, Vernier Software and Technology, April 2011, **Principal Investigator**

Preparing Underserved Minorities for Agriculture: Leadership, Recruitment, Education, Retention, and Career Preparation, USDA-Hispanic-Serving Institutions Education Grants Program (HSI), March 2011, **Principal Investigator**

Preparing Leaders and Managers for the Bio-Energy Industry, USDA- CREES Higher Education Challenge Grant, January 2009, **Senior Grant Staff**

University of Missouri

ATV Safety Habits and Attitudes of Selected East Texas Agricultural Youth, Southwest Center for Agricultural Health, Injury Prevention and Education, May 2008, **Principal Investigator**

Introduction to Bio-Fuels Course, Agrowknowledge.org, April 2008, **Co-Principal Investigator**

VI. Grants (continued)

c. Funded Internal Grants and Contracts = $ 8,000.00

Saucier, P. R. (2011). *Agricultural Career Exploration Field Trip,* Texas State University, November 2011, **Principal Investigator**, (Funded, $1,750.00)

Saucier, P. R., (2008). *A Surveillance of Midwestern ATV Incidents, Injuries and Fatalities,* University of Missouri, Funded Contract, **Principal Investigator**, (Funded, $6,250.00)

VI. Grants (continued)

d. In-Kind Contributions = $358, 866.00

Sam Houston State University = $27,426.00

Briggs and Stratton Corporation, 10 hp Briggs and Stratton Engines, Quantity 15, Valued at $16,426.00, April 2016

Nucor Corporation, Steel flat bar, Valued at $9,000.00, March 2016

Rain Bird Corporation, Irrigation system components, Valued at $2,000.00, January 2016

Texas State University = $ 331,440.00

Briggs and Stratton Corporation, 10 hp and 4.75 hp Briggs and Stratton Engines, Quantity 136, Valued at $49,440.00, June 2014

Holt AgriBusiness, Massey Ferguson MF2615 Tractor with loader, Valued at $34,000.00, December 2013

Holt AgriBusiness, Massey Ferguson MF2660HD Tractor with loader, Valued at $54,000.00, March 2013

Briggs and Stratton Corporation, 6 ½ hp Briggs and Stratton Engines, Quantity 480, Valued at $187,000.00, September 2012

AGCO Corporation, Gleaner A6 Series Combine Engine, Valued at $5,000.00, July 2011

Kubota Tractor Corporation, RTV900XT Diesel Engine and Transmission, Valued at $2,000.00, October 2010

VII. Awards and Honors

2016

1st Place, Outstanding Research Paper, 35th National Agricultural Mechanics Blue Ribbon Professional Development Conference, Indianapolis, IN. *An evaluation of the knowledge, performance, and consequence competence in a science, technology, engineering, and mathematics (STEM) based professional development for school-based agricultural science teachers: An assessment of a computer numerical control (CNC) plasma arc cutting workshop*, 2016.

1st Place, Outstanding Research Poster, 35th National Agricultural Mechanics Blue Ribbon Professional Development Conference, Indianapolis, IN. *Professional development needs of early career Texas agricultural science teachers: A focus on agricultural mechanics*, 2016.

3rd Place, Distinguished Research Poster, 35th National Agricultural Mechanics Blue Ribbon Professional Development Conference, *An analysis of a professional development workshop for school-based agriculture teachers: A focus on the instruction of STEM-based metal fabrication processes*, 2016.

5th Place, Outstanding Student Research Poster, 2016 Agricultural Consortium of Texas, Stephenville, TX. *An analysis of a professional development workshop for school-based agriculture teachers: A focus on trailer design and fabrication*, 2016.

2015

1st Place, Outstanding Research Poster, 34th National Agricultural Mechanics Blue Ribbon Professional Development Conference, Louisville, KY. *Career satisfaction of Texas school-based female agriculture mechanics teachers: An examination of influential factors*, 2015.

3rd Place, Distinguished Research Poster, 34th National Agricultural Mechanics Blue Ribbon Professional Development Conference, Louisville, KY. *An examination of the shortage of agricultural mechanics teachers in Texas: A review of desired employability characteristics by administrators and local school districts*, 2015.

3rd Place, Distinguished Innovative Idea Poster, 34th National Agricultural Mechanics Blue Ribbon Professional Development Conference, Louisville, KY. *The integration of science, technology, engineering, and mathematics (STEM) competencies into the Texas agricultural mechanics metal fabrication curriculum: A professional development model for school-based agricultural educators*, 2015.

VII. Awards and Honors (continued)

2014

1st Place, Outstanding Research Manuscript, 33rd National Agricultural Mechanics Committee Blue Ribbon Poster Session, Louisville, KY. *Agricultural mechanics curriculum skill standards for U.S. agricultural science teachers: A Delphi study,* 2014.

1st Place, Outstanding Research Poster, 33rd National Agricultural Mechanics Committee Blue Ribbon Poster Session, Louisville, KY. *What skills should a new agriculture teacher be able to instruct in the agricultural mechanics laboratory? A national Delphi study,* 2014.

North American Colleges and Teachers of Agriculture, Teaching Award of Merit, 2014.

1st Place, Presidential Distinction Award for Scholarly/Creative Activity, College of Applied Arts, Texas State University, 2014.

2013

2nd Place, Distinguished Research Manuscript, 32nd Annual National Agricultural Mechanics Professional Development Conference, Louisville, KY, *How safe are New Mexico agricultural mechanics programs?: An examination of the professional development needs of school-based New Mexico agriculture teachers' ability to safely manage agricultural mechanics laboratories,* 2013.

1st Place, Distinguished Research Poster, 32nd Annual National Agricultural Mechanics Professional Development Conference, Louisville, KY, *The physical health and lifestyle habits of Texas agriculture science teachers,* 2013.

3rd Place, Distinguished Research Poster, 32nd Annual National Agricultural Mechanics Professional Development Conference, Louisville, KY, *Diesel Fuel Performance in a Farm Utility Tractor: A Comparison of Traditional D2 Diesel Fuel and Biodiesel Blended Fuels,* 2013.

2012

1st Place, Outstanding Conference Research Paper, 30th Annual Conference for the Association for Career and Technical Education Research, Atlanta, GA, *Assessing performance and consequence competence in a technology-based professional development for agricultural science teachers: An evaluation of the Lincoln Electric Welding Technology Workshop,* 2012.

VII. Awards and Honors (continued)

2012 (continued)

3rd Place, Distinguished Research Manuscript, 31st Annual National Agricultural Mechanics Committee Blue Ribbon Professional Development Conference, Indianapolis, IN, *Selected factors influencing Missouri school-based agricultural educators to instruct agricultural mechanics curriculum,* 2012.

2011

1st Place, Outstanding Research Poster, American Association for Agricultural Education Research Conference, Coeur d'Alene, ID, *Essential agricultural mechanics skills for beginning agricultural educators: A Delphi approach,* 2011.

2nd Place, Outstanding Research Manuscript, Western Region – American Association for Agricultural Education Research Conference, Fresno, CA, *A multi-state factor-analytic and psychometric meta-analysis of agricultural mechanics laboratory management competencies,* 2011.

1st Place, Research Poster, Southern Region – American Association for Agricultural Education Research Conference, Corpus Christi, TX, *Essential agricultural mechanics skills for beginning agricultural educators: A Delphi approach,* 2011.

2010

Distinguished Manuscript, American Association for Agricultural Education Research Conference, Omaha, NE, *Professional development needs of Missouri agricultural educators,* 2010.

1st Place, Outstanding Research Manuscript, Western Region – American Association for Agricultural Education Research Conference, Great Falls, MT, *Laboratory management in-service needs of Wyoming secondary agriculture teachers,* 2010.

1st Place, Outstanding Research Paper Presentation, Western Region – American Association for Agricultural Education Research Conference, Great Falls, MT, *Laboratory management in-service needs of Wyoming secondary agriculture teachers,* 2010.

2nd Place, Outstanding Graduate Student Research Poster, Southern Region – American Association for Agricultural Education Research Conference, Orlando, FL, *Characteristics of Missouri agricultural mechanics programs: A generational review,* 2010.

VII. Awards and Honors (continued)

2009

1st Place, Outstanding Research Poster, North Central Region – American Association for Agricultural Education Research Conference, Lincoln, NE, *FFA professional development needs of Missouri agricultural educators*, 2009.

1st Place, Outstanding Innovative Poster, North Central Region – American Association for Agricultural Education Research Conference, Lincoln, NE, *Professional development through winter technical institutes: Agricultural electrification*, 2009.