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EDUCATION:

- 2004 Doctor of Education in Agricultural Education
Texas Tech University
Dissertation: The Effects of Text, Audio/Video, and Still Images as
Asynchronous Methods upon Cognition and Satisfaction of High
School Agricultural Science Students
- 1997 Master of Science in Agricultural Education
Oklahoma State University
- 1992 Bachelor of Science in Agricultural Economics
Texas Tech University

PROFESSIONAL EXPERIENCE:

- 2009-present Associate Professor. Texas Tech University.
- 2004-2008 Assistant Professor. Texas Tech University.
- 2001-2003 Teaching Assistant. Texas Tech University.
- 1998-2001 Agri-Science Instructor, Norris High School, Nebraska.
- 1997-1998 Agri-Science Instructor, Lewiston High School, Nebraska.

LICENSES AND CERTIFICATIONS:

- 1997 Oklahoma High School Teaching Certificate, Agriculture
- 1997-2001 Nebraska High School Teaching Certificate, Agriculture

INTERNATIONAL EXPERIENCE: 34 Total Trips

2014

1. **Cancun, Mexico.** February 20-24. Research.
2. **Nassau, Bahamas.** April 10-13. Capacity Building/Teaching/Research

2013

1. **San Jose, Costa Rica.** February 1-6. Research.
2. **Veracruz, Mexico.** March 25-28. Research.
3. **Dijon, France.** April 20-27. Capacity Building.
4. **Santo Domingo, Dominican Republic.** June 10-11. Teaching.
5. **Port-au-Prince, Haiti.** June 12-14. Capacity Building.
6. **Tegucigalpa, Honduras.** June 24-28. Capacity Building/Research
7. **Nassau, Bahamas.** October 22-25. Capacity Building/Teaching/Research

2012

1. **Guadalajara, Mexico.** February 27-29. Invited Conference Presentation.
2. **Merida and Cancun, Mexico.** March 26-29. Research.
3. **San Salvador, El Salvador.** April 8-11. Invited Conference Presentation.
4. **Belmopan, Belize.** May 22-27. Capacity Building/Research.
5. **Veracruz, Mexico.** September 10-14. Research.
6. **Cancun, Mexico.** Nov. 26-Dec. 2. Capacity Building/Research.

2011

1. **Mexico City, Mexico.** February 23-25. Research.
2. **Mexico City, Mexico.** June 26-July 3. Research.
3. **Mexico City, Mexico.** September 7-9. Research.
4. **Mexico City, Mexico.** October 23-25. Research.
5. **Merida and Cancun.** November 29 - December 4. Capacity Building/Research.

2010

1. **Veracruz, Mexico.** May 20-23. Research
2. **Angers, France.** June 21-25. Invited Conference Presentation.
3. **Veracruz, Mexico.** August 10-16. Research.
4. **Cancun, Mexico.** December 1-4. Capacity Building/Research.

2009

1. **Puebla, Mexico.** March 1-4. Teaching/Research.
2. **Buenos Aires, Argentina.** May 10-15. Conference/Capacity Building.
3. **Veracruz, Mexico.** June 28-July 2. Research
4. **Cordoba, Mexico.** September 17-19. Invited Conference Presentation.
5. **Mexico City, Mexico.** November 3-5. Capacity Building/Research.
6. **Veracruz, Mexico.** November 29-December 2. Research

2008

1. **Mexico City,** September 7-10, Capacity Building/Research

2007

1. **Desenzano, Italy.** August 1-6. Capacity Building/Research

2006

1. **Carnes, Australia.** August 7-11, Invited Conference Presentation.
2. **Desenzano, Italy.** January 31 – February 5. Capacity Building/Research

MEMBERSHIP IN PROFESSIONAL AND HONORARY SOCIETIES:

Professional:

1. American Association for Agricultural Education
2. Association of Leadership Educators
3. Association for International Agricultural and Extension Education
4. International Association for Food Protection

Honorary:

1. Gamma Sigma Delta

HONORS AND AWARDS:

- **Exemplary R&D Collaborations: Agriculture, Food, Nutrition, and Natural Resources (2011).** Award presented March 15th, in Washington, D.C. by the American Association for the Advancement of Science.
- Outstanding Graduate Student Research Paper, Southern Agricultural Education Research Conference, Corpus Christi, TX, 2011. Co-Author: Gaea Wimmer.
- **Distinguished Research Award, Southern Region, AAAE, 2010.**
- Outstanding Graduate Student Research Paper, Southern Agricultural Education Research Conference, Orlando, FL, 2010. Co-Author: Mark Russell.
- Distinguished Research Paper, Western Agricultural Education Research Conference, Great Falls, MT, 2010.
- **CASNR Outstanding Teaching Award, 2009.**
- **CASNR Outstanding Jr. Faculty Award, 2008.**
- First Runner Up, Outstanding Research Paper, National Agricultural Education Research Conference, Reno, NV, 2008.
- Outstanding Research Paper, Western Agricultural Education Research Conference, Park City, UT, 2008.
- **Texas Tech Alumni Association New Faculty Award, 2008.**
- Collegiate FFA Teacher of the Semester, 2006.
- Second Runner Up, Outstanding Research Poster Presentation, National Agricultural Education Research Conference, Charlotte, NC, 2006.
- Outstanding Undergraduate Poster Presentation, Southern Agricultural Education Research Conference, Orlando FL, 2006. Co-Author: Karin Fritz.
- First Runner Up, Outstanding Research Poster Presentation, Southern Agricultural Education Research Conference, Orlando, FL, 2006.
- Outstanding University Teaching Department, Texas Tech University, 2005.
- **Alan A. Kahler Outstanding Dissertation Award, National Meeting of the American Association of Agricultural Educators, San Antonio, Texas, May, 2005.**
- Gamma Sigma Delta, Outstanding Graduate Student, Department of Agricultural Education and Communications, 2004.
- First Runner Up, Outstanding Research Paper, National Agricultural Education Research Conference, Orlando, FL, 2003.
- Outstanding Graduate Student, Department of Agricultural Education and Communications, Texas Tech University, 2003.
- Outstanding Graduate Student Research Paper, Southern Agricultural Education Research Conference, Mobile, AL, 2003.
- First Runner Up, Outstanding Poster Presentation, Southern Agricultural Education Research Conference, Mobile, AL, 2003.
- Honorary State FFA Degree, Nebraska FFA Organization, 2001.
- **Agri-Science Teacher of the Year, Nebraska FFA Organization, 2000.**
- Outstanding Poster Presentation, National Agricultural Education Research Conference, Las Vegas, NV, 1997.

AREA OF EXPERTISE:

My education and training in agricultural education provide the foundation for my research and extension activities focused on the development, delivery and evaluation of effective training techniques and subsequent impacts on human knowledge, skills and behaviors. This research activity is applied on a daily basis to the contextual area of global food security.

PATENTS:

1. Willis Don Stull, Andreas Alfred Neuber, David E. Sharbutt, **Michel Todd Brashears**, Mindy M Brashears, Christine Alvarado, J. Chance Brooks. Microwave Disinfection and Sterilization. Application No. 14/174,937 Filed 02/07/2014.
2. Willis Don Stull, Andreas Alfred Neuber, David E. Sharbutt, **Michel Todd Brashears**, Mindy M Brashears, Christine Alvarado, J. Chance Brooks. Microwave Disinfection and Sterilization. Patent No. US-2014-8,679,401-B2; Publication Date: 3/25/2014.
3. Don Stull, J Chance Brooks, Mindy M Brashears, **Michel Todd Brashears**, Christine Alvarado, and David Sharbutt. Microwave Disinfection and Sterilization. Publication No. US-2011-0014331-A1; Publication date: 1/20/2011.
4. Christine Alvarado, J Chance Brooks, Mindy M Brashears, **Michel Todd Brashears**, Gianfranco Coccoli, Pierluigi Sapelli, Mario Piazza, Stefania Franzoni, Federico Felappi, and Nicola Tolettini. Method and System for Preserving Food. Publication No. WO-2009-029731-A3. Publication date: 4/30/2009.

Refereed Publications: Total of 19

1. Pond, A., Echeverry, A., Miller, M.F., Loneragan, G.H., Lozano, M.S., Chavez, A., Huerta-Leidenz, N.O., Rupnow, J., **Brashears, M.T.**, & Brashears, M.M. (2014). *Salmonella* and *E. coli* O157:H7 prevalence and generic *E. coli* quantitative baseline in raw pork and beef at retail outlets in Mexico. (Submitted to the Journal of Food Protection - Under Review).
2. Witt, P., Ulmer, J. Burris, S. & **Brashears, M.T.** (2014, expected). A Comparison of Student Engaged Time in Agriculture Instruction. *Journal of Agricultural Education*, (in press).
3. Porter, H.* , **Brashears, M.T.**, Brashears, M.M., Irlbeck, E., Newsome, S.* , Winterholler-Trojan, S., Echeverry, A., McKenney, C., & Loneragan, S. (2013). Determining the Problems, Impacts and Potential Solutions for the Agricultural Industry of Belize: A Needs Assessment. *Journal of International Agricultural and Extension Education*, 20(2), 122-124.
4. Lemons, L.L.* , Carraway, C., Burris, S., **Brashears, M.T.**, & Barbor, J. (2013). Integrating Teacher's International Experience into High School Agriculture

- Education Curriculum and Its Effects on Student Perceptions. *Journal of International Agricultural and Extension Education*, 20(2), 218-220.
5. **Brashears, M.T.**, Zavaleta, J., Lemons, L.*, Brashears, M. (2012). Food Safety Climate of Municipal, Private and Government Regulated Slaughter Plants in Mexico. *Journal of International Agricultural and Extension Education*, 19(2), 183-185.
 6. Allen, K., Meyers, C., **Brashears, M.T.**, & Burris, S. (2011). Out in the cold about COOL: An analysis of U.S. consumers' awareness of mandatory country-of-origin labels for beef. *Journal of Agriculture, Food Systems, and Community Development*, 1(4). doi:10.5304/jafscd.2011.014.006.
 7. Ritz, R., Burris, S., **Brashears, M.T.**, Frazee, S. (2010). A regional comparison of stress among beginning agricultural science teachers in central and west Texas. *Southern Journal of Agricultural Education Research*, 60, 67-78.
 8. Burris, S., Ashorn, L.J., Akers, C., Frazee, S., & **Brashears, M.T.** (2010). The impact of participation of freshmen experiences in a college of agriculture. *NACTA Journal*, 54(3), 37-42.
 9. Burris, S., McLaughlin, E.K., McCulloch, A., **Brashears, M.T.** & Frazee, S. (2010). A comparison of personal teaching efficacy, general teaching efficacy and content efficacy in first and fifth year agriculture teachers. *Journal of Agricultural Education*. 49(3), 22-31.
 10. Lakins, D.G., Luna, A.M., O'Keefe, S., Boyce, J., Thompson, L., Brooks, C.S., Alvarado, C.Z., Brashears, M.M., & **Brashears, M.T.** (2009). Comparison of Quality Attributes of Shell Eggs Subjected to Directional Microwave Technology. *Journal of Poultry Science*. 88: 1257-1265.
 11. Russell, M.*, **Brashears, M.T.**, Brashears, M., Loneragan, G., & Miller, M., (2009). Developing Content for an Educational Workshop on Pre-Harvest Food Safety Targeting Feedlot Managers. *Journal of Food Protection (72) Supplement A*, 100.
 12. Rayfield, J., Frazee, S., **Brashears, M.T.**, Davis, C.S., Lawver, D. (2009). An Assessment of Recruitment and Training Practices Utilized by FFA Advisors in the National FFA Livestock Career Development Event: A National Delphi Study. *Southern Journal of Agricultural Education Research*. 59(1), 81-93.
 13. **Brashears, M.T.**, & Baker, M.T. (2008). A Test of the Cue Summation Theory on Student Post-Test and Satisfaction in an Electronically-Delivered Unit of Instruction. *Journal of the National Association of College Teachers of Agriculture (NACTA)*, 52(2), 8-14.
 14. Lakins, D.G., Echeverry, A., Alvarado, C.Z., Brashears, M.M., & **Brashears, M.T.** (2008) Quality and Mold Growth on White Enriched Bread for Military Rations Following Directional Microwave Treatment. *Journal of Food Science*. 73(3), 99-103.

15. Stockard, S.A.*, **Brashears, M.T.**, Akers, C., Davis, C., Brooks, C. (2007) Creating a Promotional DVD for an International Agricultural Research Center: A Delphi Study. *Texas Journal of Agriculture and Natural Resources*. 20:63-74.
16. **Brashears, M.T.**, Jennings, M.*, Rayfield, J., Akers, C., Brashears, M.M. (2007). An Exploratory Educational Needs Assessment of E. coli 0157:H7 Knowledge Held by Petting Zoo Participants. *Southern Journal of Agricultural Education Research*. 57(1), 96-110.
17. Rayfield, J., Frazee, S., **Brashears, M.T.**, Davis, C.S., Lawver, D. (2007). The Relationship between Student Demographic Variables and Performance in a National FFA Career Development Event. *Southern Journal of Agricultural Education Research*. 57(1), 4-15.
18. **Brashears, M.T.**, Akers, C., Smith, J. (2005). The Effects of Multimedia Cues on Student Cognition in an Electronically Delivered High School Unit of Instruction. *Southern Journal of Agricultural Education Research*, 55(1), 5-18.
19. Frazee, S., Hardin, K., **Brashears, M.T.**, Smith, J., & Lockaby, J. (2003). The Effects of Delivery Mode upon Survey Response Rate and Perceived Attitudes of Texas Agri-Science Teachers. *Journal of Agricultural Education*, 44 (2), 27-37.

Refereed Presentations/Proceedings: Total of 42

1. Lemons, L.L.*, **Brashears, M.T.**, Burriss, S.C., Meyers, C., & Price, P. (2014-accepted). Factors Contributing to Attrition as Reported by Leavers of Secondary Agriculture Programs. Paper presented at the National Agricultural Education Research Conference, May 20-23, Salt Lake City, UT.
2. **Brashears, M.T.**, Morales, S.*, Trojan, S., Echeverry, A., Brashears, M.M. (2014-accepted). An Evaluation of the Needs of Stakeholders within the Bahamian Food Production – Consumption Continuum. Paper presented at the 30th Annual Conference of the Association for International Agricultural and Extension Education, April 27-May 1, Miami, FL.
3. Hawkins, A., **Brashears, M.T.**, & Brashears, M.M. (2014-accepted). Organizational Climate and Food Safety Training Change Employee Behaviors and Pathogen Loads in Non-TIF Beef Packing Plants in Mexico. Paper presented at the 30th Annual Conference of the Association for International Agricultural and Extension Education, April 27-May 1, Miami, FL
4. Newsome, S.*, **Brashears, M.T.**, & Brashears, M.M. (2014-accepted). A Case Study Analysis of Organizational Climate and Food Safety in a Federally Inspected Beef Packing Plant in Veracruz, Mexico. Paper presented at the 30th Annual Conference of the Association for International Agricultural and Extension Education, April 27-May 1, Miami, FL

5. Wimmer-Hock, G.*, **Brashears, M.T.**, Burris, S., Frazee, S. (2014). Investigating the Influence of Cooperating Teachers on Student Teachers Intent to Teach. Paper presented at the Meeting of the Southern Region Agricultural Education Research Conference, February 1-4, Dallas, TX.
6. Lemons, L.*, **Brashears, M.T.** (2014). Factors Contributing to Attrition as Reported by Leavers of Secondary Agriculture Programs. Paper presented at the Meeting of the Southern Region Agricultural Education Research Conference, February 1-4, Dallas, TX.
7. Wimmer, G.*, **Brashears, M.T.**, Burris, S., & Frazee, S., (2013). *Applying the Situational Leadership® II Model: Assessing Follower Competence and Commitment*. Refereed paper session presented at the Association of Leadership Educators (ALE) National Conference, July 13-17, New Orleans, LA.
8. Wimmer, G.*, **Brashears, M. T.**, Burris, S., Frazee, S., & Meyers, C. (2013). Cooperating Teachers' Reflections of the Student Teaching Experience: A Qualitative Study. Paper presented at the Meeting of the Southern Region Agricultural Education Research Conference, February 2-5, Orlando, FL.
9. Wimmer, G.*, Burris, S., & **Brashears, M. T.**, (2012). The Relationship between Cooperating Teachers' Preferred Leadership Style and Student Teachers' Satisfaction Level. Proceedings of the National Agricultural Education Research Conference, May 16-18, Asheville, N.C.
10. Bobbitt, R., Akers, C., Peters, K., **Brashears, M.T.**, Dudley, L., & Duysen, C. (2012). The Relationship between University Involvement and Satisfaction Level of Community College Transfer Students in Agriculture and Natural Resources. Proceedings of the National Agricultural Education Research Conference, May 16-18, Asheville, N.C.
11. Bobbitt, R., Akers, C., Peters, K., **Brashears, M.T.**, Dudley, L., & Duysen, C. (2012). The Relationship between University Involvement and Satisfaction Level of Community College Transfer Students in Agriculture and Natural Resources. Paper presented at the Meeting of the Southern Region Agricultural Education Research Conference, February 4-7, Birmingham, AL.
12. Ritz, R., Burris, S., **Brashears, M.T.**, Frazee, S. (2011). The effects of a time management seminar on stress and job satisfaction of beginning agri-science teachers in West Texas. Proceedings of the American Association for Agricultural Education Research Conference, May 24-27, Coeur d'Alene, ID.
13. Allen, K., Meyers, C., **Brashears, M.T.**, & Burris, S. (2011). Out in the Cold about COOL: An Analysis of U.S. Consumers' Awareness of Mandatory Country-of-Origin Labels for Beef. Paper presented at the Meeting of the Western Region Agricultural Education Research Conference, April 21-24, Fresno, CA.
14. Wimmer, G.*, **Brashears, M.T.**, & Burris, S. (2011). The Relationship between Cooperating Teachers' Leadership Style and Student Teachers' Satisfaction

- Level. Paper presented at the Meeting of the Southern Region Agricultural Education Research Conference, February 6-8, Corpus Christi, TX.
15. Redwine, T., Akers, C.L., **Brashears, M.T.**, Burris, S., Dudley, L., Bobbitt, R., & Hall, K., (2010). Utilization of career service by undergraduate students in a college of agriculture. Paper presented at the annual meeting of the North American Colleges and Teachers of Agriculture, June 22-25, State College, PA.
 16. Russell, M.*, **Brashears, M.T.**, Ulmer, J., & Barela, H.* (2010). Feasibility of Using the Modified Matrix as a Method for Developing Workshop Content. Proceedings of the American Association for Agricultural Education Research Conference, May 24-27, Omaha, NE.
 17. Woolley, L., **Brashears, M.T.**, Ulmer, J. & Lawver, D. (2010). Evaluation of Participants' Knowledge scores in an International HACCP Workshop. Paper presented at the 26th Annual Conference of the Association for International Agricultural and Extension Education, May 16-19, Saskatoon, Saskatchewan, Canada.
 18. Russell, M.* & **Brashears, M.T.** (2010). Validating the Modified Matrix Analysis as a Method for Developing Workshop Content. Paper presented at the Meeting of the Southern Region Agricultural Education Research Conference, February 7-9, Orlando, FL.
 19. Ritz, R., Burris, S., **Brashears, M.T.**, & Frazee, S. (2010). A Regional Comparison of Stress among Beginning Agriscience Teachers in Central and West Texas. Paper presented at the Meeting of the Western Region Agricultural Education Research Conference, April 21-24, Great Falls, MT.
 20. Quebe, L.*, **Brashears, M.T.**, Akers, C., Burris, S., & Wimmer, G.* (2010). The Effect of Educational Materials on Perceptual Attitudes of Ground Beef Consumers. Paper presented at the Meeting of the Western Region Agricultural Education Research Conference, April 21-24, Great Falls, MT.
 21. Jennings, M.*, **Brashears, M.T.**, Burris, S. & Akers, C. (2008). A National Evaluation of the Beef Cattle Industry's Use of Communication Channels to Obtain Information Regarding Food Safety. Proceedings of the Southern Section, Agricultural Communications Research Conference, February 2-5, Dallas, TX.
 22. McLaughlin, E.K., Burris, S., **Brashears, M.T.**, & Frazee, S. (2008). A Comparison of First and Fifth Year Texas Agriculture Teachers on Personal Teaching Efficacy, General Teaching Efficacy and Content Efficacy. Proceedings of the National Agricultural Education Research Conference, May 21-23, Reno, NV.
 23. Fritz, K.K.*, **Brashears, M.T.**, Akers, C., & Burris, S. (2008). iPod Technology in Graduate Agricultural Education and Communications Courses: A Comparison of Adopters and Non-Adopters. Proceedings of the National Agricultural Education Research Conference, May 21-23, Reno, NV.

24. Lemons, L.*, **Brashears, M.T.**, Akers, C., & Burris, S. (2008). An Assessment of Perceived Versus True Knowledge of Beef Cattle Producers Regarding Pre-Harvest Food Safety. Proceedings of the National Agricultural Education Research Conference, May 21-23, Reno, NV.
25. Burris, S., McLaughlin, E. K., **Brashears, M.T.**, Frazee, S., (2008). Personal teaching efficacy, general teaching efficacy and content efficacy: A comparison of first and fifth year agriculture teachers. *Proceedings of the 2008 Western Region AAAE Research Conference*. 27, 142 – 153.
26. Fritz, K.K.* , **Brashears, M.T.**, Akers, C., Burris, S. & Alvarado, C.Z. (2008). iPod Technology in Graduate Agricultural Education and Communications Courses: A Comparison of Adopters and Non-Adopters. Proceedings of the Western Region Agricultural Education Research Conference, April 14-16, Park City, UT.
27. Rayfield, J., Frazee, S., **Brashears, M.T.**, Davis, C.S., & Lawver, D. (2008). An Assessment of Recruitment and Training Practices Used in the National FFA Livestock Career Development Event. Proceedings of the National Agricultural Education Research Conference, May 21-23, Reno, NV.
28. Fritz, K.K.* , Doerfert, D., & **Brashears, M.T.** (2007). Identification of the Factors that Should Guide Research Efforts to Determine the Impact and Effectiveness of Students Using iPods and Other Portable Media Devices in the Classroom. Proceedings of the Association for Career & Technical Education Research National Conference, December 12-13, Las Vegas, NV.
29. Fritz, K.K.* , Doerfert, D., & **Brashears, M.T.** (2007). Impact and Effectiveness of Student iPod Users and Mid-term Exam Scores. Proceedings of the Association for Career & Technical Education Research National Conference, December 12-13, Las Vegas, NV.
30. Jennings, M.* , **Brashears, M.T.**, Brashears, M.M., Burris, S., & Davis, C.S. (2007). A National Needs Assessment of Beef Cattle Producer's Knowledge and Attitudes toward Pre-Harvest Food Safety Interventions. Proceedings of the National Agricultural Education Research Conference, May 16-18, Minneapolis, MN.
31. Rayfield, J., Frazee, S., **Brashears, M.T.**, Davis, C.S., & Lawver, D. (2007). An Assessment of Recruitment and Training Practices Used in the National FFA Livestock Career Development Event. Proceedings of the Western Region Agricultural Education Research Conference, Cody, WY.
32. **Brashears, M.T.**, Jennings, M., Rayfield, J., Akers, C., Brashears, M.M. (2007). An Exploratory Educational Needs Assessment of E. coli 0157:H7 Knowledge Held by Petting Zoo Participants. Proceedings of the Southern Region Agricultural Education Research Conference, February 3-7, Mobile, AL.
33. Rayfield, J., Frazee, S., **Brashears, M.T.**, Davis, C.S., Lawver, D. (2007). The Relationship between Student Demographic Variables and Performance in a

- National FFA Career Development Event. Proceedings of the Southern Region Agricultural Education Research Conference, February 3-7, Mobile, AL.
34. Rayfield, J., Frazee, S., Lawver, D., Davis, C., **Brashears, M.T.**, (2006). Recruitment and Training Practices Utilized by Successful FFA Advisors in the National FFA Livestock Career Development Event: A National Delphi Study. Proceedings of the Western Region Agricultural Education Research Conference, April 12-15, Boise, ID.
 35. **Brashears, M.T.**, Baker, M., Frazee, S., & Lawver, D. (2005). The Effects of Cue Summation Theory on Student Cognition and Satisfaction in an Electronically Delivered Secondary Agricultural Sciences Unit of Instruction. Proceedings of the National Agricultural Education Research Conference, May 25-28, San Antonio, TX.
 36. **Brashears, M.T.**, Frazee, S., & Lawver, D. (2005). The Effects of Cue Summation on Student Cognition and Satisfaction in an Electronically-Delivered Secondary Agricultural Sciences Unit of Instruction. Proceedings of the Western Region Agricultural Education Research Conference, April 20-22, Prescott, AZ.
 37. **Brashears, M.T.**, Akers, C., Smith, J., (2005). The Effects of Multimedia Cues on Student Cognition in an Electronically Delivered High School Unit of Instruction. Proceedings of the Southern Agricultural Education Research Conference, February 6-7, Little Rock, AR.
 38. **Brashears, M.T.**, Bullock, S., & Akers, C. (2003). A test of a bimodal survey model on the cooperative communicators association: A case study. Proceedings of the National Agricultural Education Research Conference, December 9-11, Orlando, FL.
 39. **Brashears, M.T.**, Bullock, S., & Akers, C. (2003). A test of a bimodal survey model on the cooperative communicators association: A case study. Proceedings of the Southern Agricultural Education Research Conference, February 1-3, Mobile, AL.
 40. **Brashears, M.T.**, & Baker, M. (2003). A comparison of the influence of traditional predictors and individual student talents upon collegiate success: A longitudinal study. Proceedings of the Southern Agricultural Education Research Conference, February 1-3, Mobile, AL.
 41. Frazee, S., Hardin, K., **Brashears, M.T.**, Smith, J., & Lockaby, J. (2002). The effects of delivery mode upon survey response rate and perceived attitudes of Texas agri-science teachers. Proceedings of the National Agricultural Education Research Conference, December 11-13, Las Vegas, NV.
 42. **Brashears, M.T.**, & Baker, M. (2002). The relationship between individual talents and college success factors. Proceedings of the Western Region Agricultural Education Research Conference, April 24-27, Spokane, WA.

Refereed Poster Presentations: Total of 37

1. Morales, S.*, **Brashears, M.T.**, & Meyers, C. (2014-accepted). Understanding the Role of Agricultural Education in Global Food Security. Poster presented at the Meeting of the National Agricultural Education Research Conference, May 20-23, Salt Lake City, UT.
2. Brenes, B.*, Discua, S., **Brashears, M.T.**, & Brashears, M.M. (2014-accepted). Texas Tech University – Zamorano University Internship Program: International Agricultural Cooperation through Education and Research. Poster presented at the 30th Annual Conference of the Association for International Agricultural and Extension Education, April 27-May 1, Miami, FL.
3. Brizuela-Obando, S.*, **Brashears, M.T.**, & Brashears, M.M. (2014-accepted). Faculty exchange between Texas Tech University (TTU) and Centre de Formation Fritz Lafontant (CFFL), Haiti. Poster presented at the 30th Annual Conference of the Association for International Agricultural and Extension Education, April 27-May 1, Miami, FL.
4. Newsome, S.*, **Brashears, M.T.**, Brashears, M.M., Porter, H. & Shahab, E. (2013). The Relationship between Organizational Climate and Salmonella Prevalence in a Federally Inspected Beef Packing Plant in Veracruz, Mexico. Poster presented at the 29th Annual Conference of the Association for International Agricultural and Extension Education, May 12-15, Ft. Worth, TX.
5. **Brashears, M.T.** (2013). The International Center for Food Industry Excellence. A Transdisciplinary Center at Texas Tech University. Poster presented at the International USAID-InnovATE Conference. September 17-20, the campus of George Mason University, Washington, D.C.
6. Lemons, L.*, Wimmer, G.*, **Brashears, M.T.** (2012). Cooperating Teachers' Perceptions of the Commitment Level and Competencies of Student Teachers. *Proceedings of the American Association for Agricultural Education National Research Conference*, May 16-18, Asheville, NC.
7. Wimmer, G.*, Lemons, L.L.*, **Brashears, M.T.** (2012). Training Cooperating Teachers to Use the Situational Leadership Model When Working with Student Teachers. *Proceedings of the American Association for Agricultural Education National Research Conference*, May 16-18, Asheville, NC.
8. Lemons, L.L.*, **Brashears, M.T.**, Hartzog-Hawkins, A., Echeverry, A., Thompson, L.D., Miller, M., Garcia, L.G., and Brashears, M.M. (2012). A Comparison of Food Safety Climate at Municipal and Private Beef Slaughter Plants in Mexico. *Proceedings of the International Association for Food Protection Annual Meeting*, July 22-25, Providence, RI.
9. Lemons, L.L.*, **Brashears, M.T.** (2012). Evaluation of Climate and Perceived Leadership in a Professional Agriculture Organization. *Proceedings of the*

- Southern Region American Association for Agricultural Education*, February 5-8, Birmingham, AL.
10. Lemons, LL.* , Wimmer, G.* , **Brashears, M.T.** (2012). Cooperating Teachers' Perceptions of the Commitment Level and Competencies of Student Teachers. *Proceedings of the Southern Region American Association for Agricultural Education*, February 5-8, Birmingham, AL.
 11. Wimmer, G.* , Lemons, L.* , **Brashears, M.T.** (2012). Training Cooperating Teachers to Use the Situational Leadership Model When Working with Student Teachers. *Proceedings of the Southern Region American Association for Agricultural Education*, February 5-8, Birmingham, AL.
 12. Drennan, B.* , Campbell, L.* , & **Brashears, M.T.** (2011). Comparison of Participants' Satisfaction Levels of Food Safety Workshops Presented in U.S. and Mexico. Poster presented at the Meeting of the Southern Association of Agricultural Scientists Convention, Feb 5-8, 2011, Corpus Christi, TX.
 13. Barela, H.* , & **Brashears, M.T.** (2010). A Comparison of Ethnicities in Perception and Behavior of Food Safety Practices. Poster presented at the Meeting of the Southern Region Agricultural Education Research Conference, Feb 7-9, Orlando, FL.
 14. Wimmer, G.* , **Brashears, M.T.** & Burris, S. (2010). A Perfect Match? Developing a Leadership Assessment Instrument for Matching Student Teachers and Cooperating Teachers. Poster presented at the Meeting of the Southern Region Agricultural Education Research Conference, Feb 7-9, Orlando, FL.
 15. Spraberry, J.* , Russell, M.* , & **Brashears, M.T.** (2010). Implementing a Workshop Evaluation Instrument Based on Satisfaction Attainment Theory. Poster presented at the Meeting of the Southern Region Agricultural Education Research Conference, Feb 7-9, Orlando, FL.
 16. Russell, M.* , **Brashears, M.T.**, Brashears, M., Loneragan, G., & Miller, M., (2009). Developing Content for an Educational Workshop on Pre-Harvest Food Safety Targeting Feedlot Managers. Poster presented at the Meeting of the International Association of Food Protection Research Conference, July 12-15, Grapevine, TX.
 17. Ashorn, L.J., Burris, S., Akers, C., Frazee, S. & **Brashears, M.T.** (2009). To participate or not to participate? Poster presented at the Meeting of the National Agricultural Education Research Conference, May 19-23, Louisville, KY.
 18. Ashorn, L.J., Burris, S., Akers, C., Frazee, S. & **Brashears, M.T.** (2009). To participate or not to participate? Poster presented at the Meeting of the Western Region of the Agricultural Education Research Conference, Lake Tahoe, NV.
 19. Lemons, L.L.* , & **Brashears, M.T.** (2008). Providing a Safer Consumer Product: Will Beef Cattle Producers Take the Next Step? Poster presented at the

- Meeting of the Southern Region Agricultural Education Research Conference, February 2-5, Dallas, TX.
20. Hogue, S.*, & **Brashears, M.T.** (2008). Who is Living Where: An Assessment of Students Volunteering to live in a Residential Learning Community or other On-Campus Resident Housing. Poster presented at the Meeting of the Southern Region Agricultural Education Research Conference, February 2-5, Dallas, TX.
 21. Lemons, L.L.*, Jennings, M.*, Beyers, T.*, & **Brashears, M.T.** (2007). An evaluation of the beef cattle industry's use of communication channels to obtain information regarding food safety. Poster presented at the Meeting of the National Agricultural Education Research Conference, May 16-18, Minneapolis, MN.
 22. Fritz, K.K.*, Doerfert, D., & **Brashears, M.T.** (2007). From Podium to Podcast: Using iPods to Deliver Instructional Content. Poster presented at the Meeting of the Southern Region Agricultural Education Research Conference, February 3-7, Mobile, AL.
 23. Jennings, M.*, Beyers, T.* & **Brashears, M.T.** (2007). Preferred Educational Delivery Channels for Cattle Producers. Poster presented at the Meeting of the Southern Region Agricultural Education Research Conference, February 3-7, Mobile, AL.
 24. Fritz, K.K.* & **Brashears, M.T.** (2006). The Beef Baccalaureate. Poster presented at the Southern Agricultural Education Research Conference. February 4-8, Orlando, FL.
 25. Jennings, M.*, Rayfield, J., Boyce, J., Burriss, S., **Brashears, M.T.**, & Brashears, M.M. (2006). There is no need to fret; it is safe to pet! Understanding public knowledge of petting zoo safety. Poster presented at the Southern Agricultural Education Research Conference. February 4-8, Orlando, FL.
 26. Quebe, L.*, **Brashears, M.T.**, Alvarado, C., & Brashears, M.M. (2006). Industry Perceptions of the Effectiveness of Microwaves for Post-Harvest Food Safety in Eggs. Poster presented at the Southern Agricultural Education Research Conference. February 4-8, Orlando, FL.
 27. Stockard, S.*, **Brashears, M.T.**, & Frazee, S., (2006). Gender Differences in Addressing Critical Needs of the Texas Agricultural Leadership Curriculum. Poster presented at the Southern Agricultural Education Research Conference. February 4-8, Orlando, FL.
 28. Fritz, K.*, **Brashears, M.T.**, & Brashears, M.M. (2006). Immersing the Media in the Beef Industry, A Workshop for Improving the Quality of Media Coverage Regarding Beef Production and Processing. Poster presented at the Western Agricultural Education Research Conference. April 12-15, Boise, Idaho.

29. Fritz, K.K.* & **Brashears, M.T.** (2006). The Beef Baccalaureate. Poster presented at the National Agricultural Education Research Conference. May 17-19, Charlotte, NC.
30. Jennings, M.*, Rayfield, J., Boyce, J., Burris, S., **Brashears, M.T.**, & Brashears, M.M. (2006). There is no need to fret; it is safe to pet! Understanding public knowledge of petting zoo safety. Poster presented at the National Agricultural Education Research Conference. May 17-19, Charlotte, NC.
31. Quebe, L.*, **Brashears, M.T.**, Alvarado, C., & Brashears, M.M. (2006). Industry Perceptions of the Effectiveness of Microwaves for Post-Harvest Food Safety in Eggs. Poster presented at the National Agricultural Education Research Conference. May 17-19, Charlotte, NC.
32. Fritz, K.*, **Brashears, M.T.**, & Brashears, M.M. (2006). Immersing the Media in the Beef Industry, A Workshop for Improving the Quality of Media Coverage Regarding Beef Production and Processing. Poster presented at the National Agricultural Education Research Conference. May 17-19, Charlotte, NC.
33. **Brashears, M.T.** (2003). Low expense, high return: A bimodal methodology for internet survey implementation. Poster presented at the National Agricultural Education Research Conference. December 9-11, 2003.
34. **Brashears, M.T.** (2003) Low expense, high return: A bimodal methodology for internet survey implementation. Poster presented at the Southern Agricultural Education Research Conference. February 1-3, Mobile, AL.
35. **Brashears, M.T.**, & Baker, M. (2002). Show me the money: An assessment of the selection process for the FFA Houston Livestock Show and Rodeo scholarship. Poster presented at the Southern Agricultural Education Research Conference. January 27-30, Orlando, FL.
36. **Brashears, M.T.**, Wilhelm, A., Weeks, B., & Terry Jr., R. (1997). A student teacher website in agricultural education: Using the Internet as a communication resource. Poster presented at the National Agricultural Education Research Conference. December 9-11, Las Vegas, NV.
37. **Brashears, M.T.**, Wilhelm, A., Weeks, B., & Terry Jr., R. (1997). A student teacher website in agricultural education: Using the Internet as a communication resource. Poster presented at the Southern Agricultural Education Research Conference. April 4-5, Stillwater, OK.

Refereed Abstracts: Total of 11

1. Winterholler-Trojan, S., **Brashears, M.T.**, Echeverry, A., & Brashears, M.M. (2014-accepted). Identification of barriers of Bahamian agriculture production: an assessment of stakeholder needs. Presented at Joint Meeting of the Animal Society of Animal Science and the American Dairy Science Association. July 20-24, Kansas City, MO.

2. Lemons, L.L.*, **Brashears, M.T.**, Hartzog, A., Echeverry, A., Thompson, L., Miller, M.F., Garcia, L., & Brashears, M.M. (2012). P1-146. A Comparison of Food Safety Climate at Municipal and Private Beef Slaughter Plants in Mexico. Presented at the 101st annual meeting of the International Association for Food Protection, Providence, Rhode Island. July 21 – July 25.
3. Hartzog-Hawkins, A., Echeverry, A., **Brashears, M.T.**, Thompson, L.D., Miller, M.F., Zamora, J., Garcia, L. G., Narvaez, C., Lemons, L.L.*, Shaw, M.*, Pond, A., Ruiz, H., Maradiaga, M., Calle, A. & Brashears, M.M.. (2012). P1-144. Organizational Climate and Food Safety Training Change Employee Behaviors and Pathogen Loads in Non-inspected Beef Packing Plants in Mexico. Presented at the 101st annual meeting of the International Association for Food Protection, Providence, Rhode Island. July 21 – July 25.
4. Barela, H.*, and **Brashears, M.T.** (2011). Food Regulations: What a Beginning 105 Years Ago? An Educational Primer Import and Export Mandates. Presented at the 98th Annual Meeting of the International Association for Food Protection, July 31- August 3, Milwaukee, WI.
5. Laury A.M., K. Fermin, D. Stull, A. Neuber, J.C. Brooks, **M.T. Brashears**, C. Alvarado, and M.M. Brashears. (2011). Reduction of Salmonella on jalapeño peppers, peanuts, and dry dog food utilizing targeted directional microwave technology. Presented at the 98th Annual Meeting of the International Association for Food Protection, July 31- August 3, Milwaukee, WI.
6. Pond, A., M.F. Miller, A. Echeverry, G.H. Loneragan, **M.T. Brashears**, R. Ramírez Porras, G. Ordaz Cervera, and M.M. Brashears. (2011). *Salmonella* and *E. coli* O157:H7 Prevalence on Beef Carcasses in a Non-TIF Harvest Plant in the Mexican Yucatan. Presented at the 98th Annual Meeting of the International Association for Food Protection, July 31- August 3, Milwaukee, WI.
7. Spraberry, J.*, Russell, M.*, Echeverry, A., **Brashears, M.T.** and Brashears, M.M. (2011). An Exploratory Comparison of Knowledge Levels of Diverse Populations within a Food Safety Workshop. Presented at the 98th Annual Meeting of the International Association for Food Protection, July 31- August 3, Milwaukee, WI.
8. **Brashears, M.T.**, Jennings, M.*, Burris, S., & Brashears, M.M. (2007). Educational Needs of U.S. Cattle Producers Regarding Pre-Harvest Food Safety Interventions. Proceedings of the 94th Annual Meeting of the International Association of Food Protection, July 8-11, Lake Buena Vista, FL.
9. Tittor, M., Brooks, J.C., **Brashears, M.T.**, Miller, M.F., & Brashears, M.M. (2007). Sensory traits of beef patties treated with rosemary oleoresin and oregano essential oil to improve safety. Proceedings of the Southern Association of Agricultural Scientists (SAAS) Conference, February 3-7, Mobile, AL.
10. **Brashears, M.T.**, Brashears, M.M., Jennings, M.*, Quebe, L.*, Boyce, J. & Burris, S. (2006). An analysis of public perception and knowledge about the danger of *E. coli* O157:H7 in petting zoos. Proceedings of the 11th International

Symposium on Veterinary Epidemiology and Economics. August 6-11, Cairns, Australia.

11. **Brashears, M.T.**, Brashears, M.M., Jennings, M.* , Burris, S. & Fritz, K.K.* (2006). Determining the educational needs of cattle producers regarding pre-harvest food safety products and techniques. Proceedings of the 11th International Symposium on Veterinary Epidemiology and Economics. August 6-11, Cairns, Australia.

Invited Presentations: Total of 18

1. Echeverry, A., Brashears, M.M., **Brashears, M.T.**, & Nightingale, K. (2014). Training Programs for Producers, Processors and Regulatory Agencies in Latin America and the Caribbean, Phase Two: Addressing most Critical Food Security Needs. Presented in Nassau, Bahamas, April 10-12 at the InterAmerican Institute for Cooperation in Agriculture (IICA).
2. Echeverry, A., Brashears, M.M., **Brashears, M.T.**, & Trojan, S. (2013). Training Programs for Producers, Processors and Regulatory Agencies in Latin America and the Caribbean. Presented in Nassau, Bahamas, October 23rd at the InterAmerican Institute for Cooperation in Agriculture (IICA) Bahamas Needs Assessment Workshop.
3. Brashears, M.M., **Brashears, M.T.**, Trojan, S., & Echeverry, A. (2013). Food Safety and Security Research Needs of Mutual Interest to U.S., Latin America and the Caribbean: A Team Approach. Presented in Nassau, Bahamas, October 23rd at the InterAmerican Institute for Cooperation in Agriculture (IICA) Bahamas Needs Assessment Workshop.
4. **Brashears, M.T.**, Loneragan, G, & Scott, M. (2012). IAFP. Efficacy versus Adoption of Food Safety Interventions Knowledge as an Intervention. July 22-25. Providence, RI.
5. **Brashears, M.T.**, Bennett, C., Stewart, N., & Elliot, J. (2012). American Association for Agricultural Education, National Meeting. *Building Multidisciplinary Grant Teams*. May 16-17. Ashville, NC.
6. **Brashears, M.T.**, Rupnow, J., & Sanchez, M. (2012). IFT Technology Meeting. *Food science educational and outreach needs of mutual interest to USA and in Latin America: A team approach*. February 27-29. Guadalajara, Jalisco, Mexico.
7. **Brashears, M.T.** (2010). Determining Pre-Harvest Food Safety Educational Needs of Feedlot Managers. Presented at the 4th Annual SteakExpert Meeting. June 24, Angers, France.
8. **Brashears, M.T.** (2010). Determining Pre-Harvest Food Safety Educational Needs of Feedlot Managers. Presented at the Annual Beef Industry Safety Summit. March 4, Dallas, Texas.

9. **Brashears, M.T.** (2008). The Role of Agricultural Education in Commercialization. Presented to committee members of the NCAC-24 annual meeting. January 13, Washington, D.C.
10. **Brashears, M.T.** (2007). Using iPod Technology for Teaching and Research. Seminar presented to Texas Tech University, Educational Research Colloquium, November 28.
11. **Brashears, M.T.** (2007). The Effective Integration of Mobile Technology into the Educational Environment. Presented at the Teaching, Learning and Technology Center's Spotlight on Teaching Seminar. Texas Tech University, April 1.
12. **Brashears, M.T.** (2006). Educational Needs of 2006 NCBA Conference Attendees. Presented at the NCBA Food Safety Summit. Jacksonville, Florida, April 20.
13. **Brashears, M.T.** (2005). StrengthsFinder Training. Workshop presented to Leadership Lockney Organization. Lockney, Texas, October 12.
14. **Brashears, M.T.** (2004). Does Multimedia Matter? Seminar presented to Texas Tech University, Educational Research Colloquium, September 13.
15. **Brashears, M.T.** (2004). State AgriScience Fair Workshop. Presented to the Texas Agricultural Educators Conference, Abilene, Texas. July 10.
16. **Brashears, M.T.** (2003). The Power and Influence of Indiana Jones. Seminar presented to Texas Tech Agricultural Communications Senior Seminar class. October 10.
17. **Brashears, M.T.** (2003). A test of a bimodal survey model on the cooperative communicators association: A case study. Paper presented via distance to Texas A&M doctoral student seminar. February 22.
18. **Brashears, M.T.** (2002). An assessment of the Houston Livestock Show and Rodeo scholarship selection process. Scholarship Selection Committee, Texas Agriculture Teachers Conference, Corpus Christi, Texas. July 11.

Technical Reports: Total of 1

Mills, L.V., Klein, C., **Brashears, M.T.** (2005). Environmental Assessment of Scenic Resources of the Texas Coastal Zone. A publication of the Coastal Coordination Council pursuant to National Oceanic and Atmospheric Administration Award No. NA03NOS4190102.

Online Course Development/Support:

Brashears, M.T. (2013). AGLS 1300. Principles of Agricultural Leadership. Initial course offering to face-to-face students as well as distance students at an

- undergraduate level. Designed for place-bound students who desire to advance their degree plans while residing in a location other than Lubbock. Course is offered each fall on campus and online.
- Brashears, M.T** (2012). AGLS 5307. Evaluation of Leadership in Agricultural Organizations. Initial course offering to face-to-face students as well as distance, doc@distance and Great Plains IDEA students. Course is offered each odd-numbered fall semester. One of four core courses that make up the graduate certificate in Agricultural Leadership.
- Brashears, M.T** (2011). AGLS 5306. Current Issues in Agricultural Leadership. Initial course offering to face-to-face students as well as distance, doc@distance and Great Plains IDEA students. Course is offered each odd-numbered spring semester. One of four core courses that make up the graduate certificate in Agricultural Leadership.
- Brashears, M.T** (2010). AGLS 5305. Leadership Development in Rural and International Settings. Initial course offering to face-to-face students as well as distance, doc@distance and Great Plains IDEA students. Course is offered each even-numbered fall semester. One of four core courses that make up the graduate certificate in Agricultural Leadership.
- Brashears, M.T.** (2010). AGLS 5304. Theoretical Foundations of Agricultural Leadership. Initial course offering to face-to-face students as well as distance, doc@distance and Great Plains IDEA students. Course is offered each even-numbered spring semester. One of four core courses that make up the graduate certificate in Agricultural Leadership.
- Burris, S., & **Brashears, M. T.** (2007). AGED 5312. Assessing Program Effectiveness in Agriculture and Extended Education. iPod enabled course delivered on campus and via distance for the distance delivered master's program.
- Brashears, M.T.** (2007). AGED 7100, Graduate Seminar. Theoretical Concepts in Agricultural Education and Communications. iPod enabled course delivered on campus and via distance for the distance delivered master's program.
- Doerfert, D., Fritz, K.K., **Brashears, M.T.** (2006). AGED 5302, Research Methods and Analyses in Agricultural and Extension Education. iPod enabled course delivered on campus and via distance for the Doc@Distance program.
- Brashears, M.T.** (2005). AGED 4309, Contemporary Issues in Agricultural Education. Distance delivered course for undergraduate students completing off-campus, semester-long internships. Available only through secure login on WebCt.
- Alvarado, C. & **Brashears, M.T.** (2005). FDT 2300, Introduction to Food Safety. iPod enabled undergraduate course offered at Texas Tech University. Available only through secure login on WebCt.
- Brashears, M.T.** & Brashears M.M. (2004). HACCP Online. Workshop for HACCP certification available online at <http://www.onlinehaccp.com>.

Curriculum Materials:

Fraze, S.D., Davis, C.S., & **Brashears, T.** (2002-2003). *Workbook of the Official Manual for Students of Agricultural Education*. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.

Fraze, S.D., Davis, C.S., & **Brashears, T.** (2002-2003). *Teachers Key for the Workbook of the Official Manual for Students of Agricultural Education*. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.

Fraze, S.D., Davis, C.S., & **Brashears, T.** (2002-2003). *Workbook of the Parliamentary Guide for FFA*. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.

Non-refereed (invited): Total of 2

Brashears, M.T., Brashears, M.M., Jennings, M., Rayfield, J. (2006). Facts and Fiction Surrounding Possible Illness Associated with Animal Contact. *Showbox Magazine*. 27 (2), 205-206.

Brashears, T., Smith, J., & Malone, D. (2002). Using Resources in the Community. *Ag Ed Magazine*. July-September, 10-12.

Dissertation/Thesis (Chair)

- Newsome, S. (2013). A Case Study Analysis of Organizational Climate and Food Safety in a Federally Inspected Beef Packing Plant in Veracruz, Mexico. Unpublished master's thesis. Texas Tech University, Lubbock, Texas.
- Porter, H. (2013). A Multi-Faceted Needs Assessment of the Belizean Agriculture Industry. Unpublished master's thesis. Texas Tech University, Lubbock, Texas.
- Lemons, L. (2013). Do I Stay or Do I Go? A Mixed Methods Study of Factors of Attrition as Reported by Leavers of Secondary Agriculture Programs. Unpublished doctoral dissertation. Texas Tech University, Lubbock, Texas.
- Payton, L. (2013). The Food Safety Knowledge Level of Certified Food Managers Who Attended Two Self-Selected Training Courses. Unpublished doctoral dissertation. Texas Tech University, Lubbock, Texas.
- Wimmer, G. (2012). Cooperating Teachers use of the Situational Leadership II Model: The Influence of Follower Development on Student Teachers' Satisfaction and Intent to Teach. Unpublished doctoral dissertation. Texas Tech University, Lubbock, Texas.
- Triplet, B. (2012). Extension's Role as an Information Source and Channel among Northeast Texas Farmers. Unpublished master's thesis. Texas Tech University, Lubbock, Texas.
- Spraberry, J. (2011). Texas Agricultural Producers Perceptions of the North American Free Trade Agreement (NAFTA). Unpublished master's thesis. Texas Tech University, Lubbock, Texas.
- Barela, H. (2010). Cultural Comparison of Consumers' Knowledge, Perceptions and Behaviors of Produce Handling. Unpublished doctoral dissertation. Texas Tech University, Lubbock, Texas.
- Russell, M. (2011). Development and Evaluation of a Pre-Harvest Food Safety Workshop for Feedlot Employees Using a Theory-Based Logic Model. Unpublished doctoral dissertation. Texas Tech University, Lubbock, Texas.
- Kingery, T. (2010). The Inclusion and Content of an International Agriculture Education Course at the Post Secondary Level: A Delphi Study. Unpublished doctoral dissertation. Texas Tech University, Lubbock, Texas.
- Woolley, L. (2009). Evaluation of Participants' Knowledge and Satisfaction scores in an International HACCP Workshop. Unpublished master's thesis. Texas Tech University, Lubbock, Texas.
- Hogue, S (2008). The Relationship between On-Campus Learning Communities and First-Year University Student Success Factors. Unpublished master's thesis. Texas Tech University, Lubbock, Texas.

Fritz, K.K. (2007). Determining the Impact and Effectiveness of Different Teaching Strategies when Incorporating the iPod into the Classroom. Unpublished master's thesis. Texas Tech University, Lubbock, Texas.

Lemons, L.A. (2007). An Assessment of Perceived Versus True Knowledge of Beef Cattle Producers Regarding Pre-Harvest Food Safety. Unpublished master's thesis. Texas Tech University, Lubbock, Texas.

Jennings, M.A. (2006). Needs Assessment of Beef Cattle Industry and Knowledge of Food Safety Issues. Unpublished master's thesis. Texas Tech University, Lubbock, Texas.

Quebe, L.A. (2006.) An Analysis of Consumer Perceptions of Ground Beef Labeling Concerning Lactic Acid Bacteria Additives. Unpublished master's thesis. Texas Tech University, Lubbock, Texas.

Stockard, S.A. (2006). Creating a Promotional DVD for an International Agricultural Research Center: A Delphi Study. Unpublished master's thesis. Texas Tech University, Lubbock, Texas.

Master's Students Chaired (non-thesis)

Elham Shahab	(2013)
Marty Shaw	(2013)
Keith Patrick	(2012)
Jessica Nebhut	(2009)
Manuel Alvarado	(2007)
Todd Beyers	(2007)

Courses/Programs Developed:

Interdisciplinary Agriculture Leadership Option. This degree option was planned and implemented in the fall of 2004. The option required the creation of seven new classes that were modeled after successful programs across the country as well as research indicating leadership competencies needed by agricultural graduates. The creation of this program required Dr. Brashears to organize and manage a collaborative team of administrators, educators, university staff, industry professionals and student advisors. The degree option currently has 45 students enrolled with another 5 selecting leadership minors.

Dr. Brashears developed the content and syllabi for the following new courses and has taught most of them during his career.

AGLS 1300— This introductory course was designed to provide a firm foundation in leadership theory. Topics include: power, influence, motivational theory and leadership styles.

AGED 3314 – The Team Leadership course explores the strategies and techniques for successful teams, including conflict management, facilitation, and negotiation, skill building and experimental activities in agriculture and natural resources.

AGED 3315 – Personal Leadership Development. Students study the principles, theories and application of interpersonal skills required to develop strong leadership in the agricultural and natural resource context.

AGED 4308 – Organizational Leadership Development. Human behavior in organizations, the role of leadership in organizational performance and the process of organizational change and improvement.

AGED 4309 – Contemporary Issues in Agricultural Leadership. This capstone course is taught at a distance while students are completing their required semester-long internship. It includes an evaluation of current issues pertaining to leadership in agriculture and natural resources including a historical look at leadership and its impact on producers and consumers.

Career Totals of Grants Received: (update Jan. 1, 2014)

• Total External Grants Received:	\$8,434,390
• Brashears Portion Received:	1,241,030 (14.72%)
• Total Internal Grants Received:	32,000
• Brashears Portion Received:	<u>32,000</u> (100%)
• Total Internal and External Funding:	\$8,466,390

External Grants Received:

- InterAmerican Institute for Cooperation in Agriculture (IICA, 2013). Travel grant. Mindy M. Brashears, Todd Brashears, Alejandro Echeverry, Sara Trojan. \$10,819 (25% - \$2,704)
- USDA/NIFA (2013). Reduction of E. coli O157:H7 on Small-scale Cow/Calf Operations using Beef Management Practices. Collaborative grant with Oklahoma State University. Texas Tech's Share is \$124,267. (33% - \$41,422). Other PIs, Mindy Brashears, Mark Miller.
- USDA/NIFA (2012). Building Laboratory and Intellectual Capacity in order to Effectively Detect and Reduce *Salmonella* in the Food Supply. \$699,850 + 150,000 donation from the Pall Corporation (\$169,970– 20%). Other PIs. Mindy Brashears, Guy Loneragan, Kendra Nightingale, Matt Baker, Mark Miller.
- USDA/NIFA (2011). Solutions for the Food Safety Threat Posed by Salmonella in the Lymph Nodes of Cattle Presented for Harvest. \$540,325 (\$108,065 - 20%). Other PIs. Sara Gragg, Guy Loneragan, Mindy Brashears, Mark Miller.
- USDA/FAS (2011). FAS Capacity Building and Assessment of Capabilities and Deficiencies of the Asia-Pacific Economic Cooperation (APEC) Laboratory Network. \$35,000 (\$3500 – 15%). Other PI's Alejandro Echeverry, Mindy Brashears.
- USDA/CSREES (2010). Center for Food Industry Excellence. \$885,445 (\$70,755 – 8%). Other PI's –Chance Brooks, Janice Boyce, Leslie Thompson, Linda Hoover, Mark Miller, Kevin Pond, Mindy Brashears, Deb Reed, Pawan Takar, Shelly Harp.
- USDA, NIFSI (2010). \$2,000,000. Fully Integrated approaches to identify, evaluate, and implement practical and effective interventions against antibiotic resistance in modern beef and dairy systems. Collaborative Grant with Kansas State University and Texas A&M University. Texas Tech's Share is \$710,000 (203,555 – 29%). Other Tech PI's – Guy Loneragan.
- USDA, IGP (2010). \$2,000,000. Maximizing Pre-harvest Food Safety on Small and Very Small Cow-Calf Operations in Texas and Louisiana. Collaborative Special Grant with Southern University and West Texas A&M. Texas Tech's Share is \$650,000 (216,666 – 33%). Other Tech PI's – Mark Miller and Mindy Brashears

- USDA/CSREES (2009). Center for Food Industry Excellence. \$975,000 (\$79,000 – 8%). Other PI's – Christine Alvarado, Chance Brooks, Janice Boyce, Leslie Thompson, Linda Hoover, Mark Miller, Kevin Pond, Mindy Brashears, Deb Reed, Pawan Takar, Shelly Harp.
- USDA, IGP (2008). Minimizing Microbial Food Safety Hazards of Fresh and Fresh-Cut Fruits and Vegetables Through a Farm-to-Table Approach. \$2,000,000. Collaborative Special Grant with Cornell, UC Davis and West Texas A&M. Texas Tech's Share is \$199,674 (66,558 – 33%). Other Tech PI's – Mark Miller and Mindy Brashears.
- USDA/CSREES (2008). Center for Food Industry Excellence. \$1,007,000 (\$83,916 – 8%). Other PI's – Christine Alvarado, Chance Brooks, Janice Boyce, Leslie Thompson, Linda Hoover, Mark Miller, Kevin Pond, Mindy Brashears, Deb Reed, Pawan Takar, Shelly Harp.
- USDA, IGP (2007). Pre-Harvest Critical Control Points in Feed Yards to Prevent Cross-Contamination of Pathogens into Cattle and other Environmental Areas. \$597,652 (\$179,295 – 30%). Other PI's – Mindy Brashears, Mark Miller, Chance Brooks.
- Office of Naval Research/TAEX (2006). Training Materials for County Extension Agents in Preparing Action Groups for Agriterrorism Events. \$100,000 (\$33,333 – 33%). Other PI's – Scott Burris, Chad Davis.
- USDA/CSREES (2006). Center for Food Industry Excellence. \$1,350,000 (\$88,670 – 7%). Other PI's – John Blanton, Christine Alvarado, Chance Brooks, Janice Boyce, Leslie Thompson, Linda Hoover, Mark Miller, Kevin Pond, Mindy Brashears, Brent Shriver, Pawan Takar, Shelly Harp.
- ITACA. (2006). Verification of Microwave Technology for the Elimination of Food-Borne Pathogens in Whole Shell Eggs and the Development of New Applications in the USA Food Industry. \$55,711 (\$13,927 – 25%). Other PI's – Christine Alvarado, Mindy Brashears, Chance Brooks.
- USDA/FSIS (2005). Development of an Online HACCP Certification and Hazard Analysis Resource List for Shell and Further Processed Eggs. \$35,293 (\$11,646 – 33%). Other PI's – Christine Alvarado, Mindy Brashears, Animal Science.
- USDA/FSIS (2005). Development of a Pre-Harvest Educational Program for Cattle Producers, \$50,190 (\$17,064 – 34%). Other PI's - Mindy Brashears, Mark Miller, Animal Science. (Collaborators – West Texas A&M University).
- USDA/FSIS (2005). Reduction of *E. coli* O157 and *Salmonella* spp. In Ground Beef Using Rosemary Oleoresin and Oregano Essential Oil. \$50,350 (\$12,587 – 20%). Other PI's - Chance Brooks, Mark Miller, John Blanton, Mindy Brashears.

- USDA/FSIS (2005). Reduction of *Escherichia coli* O157:H7 and *Salmonella* spp using Dry Chilling in small processing plant environments. \$50,000 (\$12,500 – 20%). Other PI's - Mark Miller, John Blanton, Chance Brooks, Mindy Brashears.
- USDA/CSREES (2005). Center for Food Industry Excellence. \$811,000 (\$48,691 – 6%). Other PI's – John Blanton, Christine Alvarado, Chance Brooks, Janice Boyce, Leslie Thompson, Linda Hoover, Mark Miller, Kevin Pond, Mindy Brashears, Brent Shriver.
- USDA/CSREES (2005). Center for Food Industry Excellence. \$207,483 (\$20,565 – 10%). Other PIs – John Blanton, Christine Alvarado, Chance Brooks, Janice Boyce, Leslie Thompson, Linda Hoover, Mark Miller, Kevin Pond, Mindy Brashears, Brent Shriver.

Internal Grants Received

- Office of Research Services (2007). Graduate Tuition Fund Request for the Development and Implementation of iPod Deliverable Curriculum in the M.S. and Ed.D. Distance Delivered Degree Programs. \$12,000 (100%).
- Office of Research Services (2006). Graduate Tuition Fund Request for the Development and Implementation of iPod Deliverable Curriculum in the M.S. and Ed.D. Distance Delivered Degree Programs. \$20,000 (100%).

Collaborative Efforts

- USDA/FSIS (2003). Validation of Multi-Hurdle Antimicrobial Treatments to Reduce *E. coli* O157 and *Salmonella* spp. In Beef Trim and Ground Beef in Small and Very Small Processing Facilities, \$25,000. PI - Mindy Brashears, Animal Science.
- USDA/FSIS (2003). Impact on Hide Interventions and Cleaning on the Microbial Quality of Beef Carcasses in Small and Very Small Processing Plants. \$25,000. PI - Mindy Brashears, Animal Science. (Other collaborators – West Texas A&M University).

CREATIVE EFFORTS:

Food Security Cluster Proposal:

SOWER Scholars Program: Collaborative effort in conjunction with Zamorano University in Honduras. Planned, developed, implemented and manage this international exchange program for students, faculty and industry representatives. In the past three years, the program has hosted 17 undergraduate students during the spring semesters. These students are mentored by faculty throughout CASNR while working on four learning major learning objectives. Students complete undergraduate research projects, improve their English proficiency, develop cultural awareness and an understanding of the U.S. agricultural system. The best and brightest of these are recruited back as graduate students. This program has resulted in a dozen new excellent graduate students in CASNR. Two-way faculty exchanges and industry training programs are also providing opportunities for collaboration between TTU and multiple international organizations.

MicroZap: This start-up corporation is a spin-off of TTU in conjunction with the office of Technology and Commercialization. The technology is the result of capacity building and research collaborations with an Italian technology corporation. The basic technology has the ability to eradicate bacteria in food and non-food products without cooking or changing the physical properties of the item. Applications are being tested and marketed in tortillas, peanut butter, spices, wine corks, bed linens, clothing, water, fruit juices and many other items. Working with three other TTU faculty, MicroZap has progressed from a simple startup to a multi-million dollar organization which generates royalties, indirect costs and research funding back to Texas Tech.

Leadership Education: In the course of serving as the lead faculty member for the Agricultural Leadership degree, I have developed multiple new courses while developing a curriculum that meets industry needs and supports and challenges students. In addition to undergraduate coursework, I have created multiple graduate courses in Agricultural Leadership. Four of these courses have been packaged, approved and marketed as a new Graduate Certificate in Agricultural Leadership. Several students now participate in this program from departments across the college. This certificate program provides the skills needed for the human dimensions of the agricultural industry.

Transdisciplinary Academy:

Online Training Modules:

<u>SERVICE ACTIVITIES:</u>	LEVEL	YEAR
Editorial Review Board, JAIAEE	International	2014-Present
Member, Latin American Task Force	University	2014-Present
Member, OVPR Internal Faculty Advisory Committee	University	2014-Present
Senator, TTU Faculty Senate	University	2013-Present
Mentor, Frenship High School FFA	Local	2008-Present
Judge, FFA Agri-Science Fair	National	08, 11-Present
Advisor, Graduate Student Organization	Local	2007-Present
Research Paper Reviewer, AAAE	National	2005- Present
Tabulation Coordinator, Invitational FFA CDE	State	2005- Present
Faculty Member, International Center of Food Industry Excellence	University	2004- Present
Tabulation Coordinator, Area FFA CDE	State	2002- Present
Tabulation Coordinator, State FFA CDE	State	2002- Present
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Editor, JSAER	Regional	2008-2010
Southern Region – AAAE		
Alternative Vice-President	Regional	2008-10
Research Committee	Regional	2004-07
Member		2011-13
Chair		2006
Editor-Elect, JSAER	Regional	2007
Editorial Review Board, JSAER	Regional	2004-07
Research Committee Member, AAAE	National	2004-07
Gamma Sigma Delta		
Past President	College	2007-08
President	College	2006-07
Vice-President		2005-06
Committee Member, Deans Search	College	2007-08
Committee Member, Dept. Chair Search	College	2008
Committee Member, Research	College	2004-11
Superintendent, State FFA Agri-Science Fair	State	2008
Research Paper Reviewer, NCAAE	Regional	2005
Co-Coordinator, Texas FFA Agri-Science Fair	State	2002, 2005
Poster Presentation Judge, AAAE	National	2005
Tabulation Coordinator, FFA Agri-Science Fair	National	2004-06
Committee Member, Academic Misconduct Task Force	University	2003
Judge, FFA Lubbock District Leadership Skill Events	District	2002
Co-Coordinator, FFA Leadership Skill Events	District	2001-02
Graduate Advisor, Collegiate FFA Chapter	Local	2001
Member, Ag-Ed. Graduate Association	Local	2001-03