

Jeffory A. Hattey
Curriculum Vita
22 January 2019

The Ohio State University
College of Food, Agricultural, and Environmental Sciences
School of Environment and Natural Resources
210 Kottman Hall
2021 Coffee Rd.
Columbus, OH 43210
Ph: 614-292-4328

Education

Doctorate of Philosophy

University of Arkansas, Fayetteville, Arkansas	
Dissertation Chairman:	Wayne E. Sabbe
Major Field:	Agronomy
Focus Area:	Soil Chemistry
Date:	December 1993
Dissertation Title:	Phosphorus Transformations in Reoxidizing Soils

Master of Science

University of Arkansas, Fayetteville, Arkansas	
Thesis Chairman:	Wayne E. Sabbe
Major Field:	Agronomy
Focus Area:	Soil Fertility
Date:	May 1988
Thesis Title:	Chemical Measurement of Nitrogen Mineralization in Arkansas Soils

Bachelor of Science

Central Missouri State University, Warrensburg, Missouri	
Major Advisor:	Richard Tabor
Major Field:	Agronomy
Date:	May 1985

Professional Experience

August 2017 to present: Professor of Soil Science, State Extension Specialist in Soil Management, for the School of Environment and Natural Resources, College of Food, Agricultural and Environmental Sciences at The Ohio State University.

August 2011 to August 2017: Professor of Soil Science, in the School of Environment and Natural Resources, College of Food, Agricultural and Environmental Sciences at The Ohio State University.

July 2009 to July 2011: Dillon and Lois Hodges Professor of International Agriculture and Professor of Soil and Environmental Sciences, Department of Plant and Soil Sciences, Oklahoma State University 11-month appointment (82% teaching and 18% research). Duties include graduate and undergraduate teaching and advising. Research areas include coordinating international agriculture projects and animal waste management.

July 2004 to July 2011: Professor of Soil Science, Department of Plant and Soil Sciences, Oklahoma State University 11-month appointment (82% teaching and 18% research). Duties include undergraduate teaching and advising. Areas of research are focused on in animal waste management and basic soil chemical processes.

July 1999 to June 2004: Associate Professor of Soil Science, Department of Plant and Soil Sciences, Oklahoma State University 11-month appointment (82% teaching and 18% research). Duties include undergraduate teaching and advising. Areas of research are focused on in animal waste management and basic soil chemical processes.

July 1998 to June 1999: Assistant Professor of Soil Science, Department of Plant and Soil Sciences, Oklahoma State University 11-month appointment (82% teaching and 18% research). Duties include undergraduate teaching and advising. Areas of research are focused on in animal waste management and basic soil chemical processes.

January 1995 to present: Faculty member, Environmental Science Program, College of Agricultural Sciences and Natural Resources. Duties include undergraduate instruction, advisement, and serving on ES steering committee.

Nov. 1994 to June 1998: Assistant Professor of Soil Science, Department of Plant and Soil Sciences, Oklahoma State University 9-month appointment (100% teaching). Duties include undergraduate teaching and advising.

Dec. 1993 - Nov. 1994: Post-Doctoral Research Fellow; Soil/Environmental Chemistry; Auburn University, Auburn, AL. Project Coordinator: 1. Bio-availability indices for N and P from poultry waste products. 2. Degradation products and pathways of soil injected methyl bromide. Responsibilities included cooperation with regional institutions in the Southeastern United States, coordination of two full time laboratory technicians, two graduate students and five undergraduate student workers.

Jan. 1988 - Nov. 1993: Research Assistant; Soil Chemistry/Fertility; University of Arkansas. Work included development of predictive models for bermudagrass forage quality with near infrared (NIR) spectroscopy as well as models for organic C and total N in soils. In addition, models were developed starch and N in cotton leaves and N in poultry waste. Other research was focused of flooded soils that included analysis with ICAP, atomic adsorption, X-Ray diffraction, X-Ray adsorption spectroscopy, and ion chromatography. Plant management studies included N, P and K fertility studies of forages, soybean and wheat. Additional management research included row spacing and N translocation of foliar ¹⁵N urea of soybean, dry matter production of wheat, and relay cropping of wheat and soybean.

September 1985 - Dec. 1987: Graduate Assistant; Soil Fertility; University of Arkansas. As a junior researcher the program involved fertility studies of forages, grain sorghum, soybean, and wheat. As well as analysis with Lachat flow injection routine soil, plant, and N mineralization techniques.

Administrative Experience and Leadership Development

August 2011 to August 2017: Assistant Dean of Academic Programs, College of Food, Agricultural, and Environmental Sciences at The Ohio State University. Duties include faculty development, First-Year Experience – Sophomore Success; e-learning and Distance Education; and outcomes assessment.

April 2005 to May 2010: *Director of Environmental Sciences Program*, College of Agricultural Sciences and Natural Resources (25% administration). Administrative responsibilities related to: leadership for the interdisciplinary Environmental Sciences Steering Committee; represent ES Program at monthly Unit Administrator meetings; make instructional FTE assignments; provide oversight of curriculum development; represent ES program on Steering committee of the Environmental Institute; prepare semester class schedule; coordinate outreach courses; participate in student recruitment; supervise activity or E-Team; coordinate student advisement; develop student scholarship support; communicating with program donors; develop program outcomes assessment plan, conduct 5-year academic program review for Oklahoma State Regents for Higher Education, document outcomes assessment; oversee budgetary matters for the program meet with stakeholders in Oklahoma and Region 6 of EPA.

July 2004: Completed 7 Habits of Highly Effective People, leadership training program

April 2003- February 2004: Completed of ESCOP/ACOP Leadership Development program, Class XIII

January 2003 to January 2005: Chair, General Education Assessment Task-Force, Oklahoma State University. Administrative duties include: preparation of annual Institutional General Education Report; report findings to the Council of Deans; report to the faculty General Education Advisory Council; report findings at national meetings; lead development of methodology and rubrics to assess student learning related to general education; identify faculty members to serve the University General Education Evaluation Task Force; and coordinate meetings with task force subcommittee of multi-disciplinary members from biochemistry, business, chemistry, civil engineering, geography, English, education history, philosophy, and statistics.

July 1999-2011: Undergraduate Academic and Advising Coordinator, Department of Plant and Soil Sciences, Oklahoma State University. Administrative responsibilities include: preparation of Unit program reviews in 2000 and 2005; guided development of a systems based undergraduate curriculum; guide strategic planning process for unit undergraduate program; oversee budgetary matters related to academic programs; make annual unit FTE assignment for instruction; oversee course scheduling for fall, spring and summer semesters; oversee creation of undergraduate and graduate program outcomes assessment; assign faculty advisors for undergraduate students and provide supervision of undergraduate internship program; work with donors for departmental scholarship program; .

November 1997 to 2011: Team Leader and Coordinator, Animal Waste Management In Semiarid Agroecosystems for Division of Agricultural Sciences and Natural Resources, Oklahoma State University. Team members include: Scott Carter, Animal Science; Shiping Deng, Plant and Soil Sciences; Mike Kizer, Biosystems and Agricultural Engineering; Art Stoecker, Agricultural Economics; and Jeff Hattey Plant and Soil Sciences. Administrative responsibilities for this multi-departmental interdisciplinary project include proposal development, management of budget; report submission to funding agencies.

Production of Animal Waste Management Team at OSU	
Graduate Students Trained	30
Post-Doctoral Completed	1
Doctoral Completed	9
Masters Completed	13
Doctoral In progress	3
Masters In progress	4
Undergraduates trained	56
Grants Funded:	13
Federal sources	\$3,235,547
Industry sources	\$395,585
State support	\$266,458
Funding Total	\$3,897,590
Publications	101
Peer reviewed publications	20
Book/Book Chapters	1
Proceedings	16
Experiment Station	13
Abstracts	49
Popular Press	2
Extension Videos	6
Invited presentations	5
Res. & Ext presentations	53

International Activities

- July 2007 to 2011. Co-Director of OSU-UNESP International Partnership Program.** Jointly administered program between Oklahoma State University (OSU) and Sao Paulo State University, Brazil. The partnership sponsored 50 scholarships for student scholarly activity and 4 faculty exchanges between the institutions.
- December 2010. Visiting Professor:** Sao Paulo State University (UNESP) - Botucatu, College of Agriculture. Taught a graduate course "Impact of Animal Waste and Bioenergy Residue On Soil Properties" in English (n=11) at São Paulo State University, Botucatu campus in São Paulo Brazil.
- 9-12 September 2010.** Host Professor Rosaline Tijani, from Njala University, Sierra Leone. She presented three lectures to OSU faculty and explored research and extension education projects with the OSU community.
- June - August 2010.** Youth Leadership Development, Njala University – Taiama Campus, Sierra Leone. Provided advice and oversight to faculty and administration for development of a youth leadership program.
- 14-16 February 2009.** Host Gebisa Ejeta, 2009 World Food Prize Laureate as part Hodges professorship and the Wes Watkins Lectureship. He delivered two presentations on to DASNR, Sorghum Genetics with a Human Face and the Watkins Lectureship – Capacity Building: A Lasting Foundation for Development.
- 12-21 November 2009.** Hosted Professor Susan Chebet, Ph.D. of Moi University, Kenya. She presented professional seminars on Outreach Programs for Women and Youth in Kenya. Specifically related to Tumndo Ne Leel an innovation designed to replace female circumcision. In order to provide an alternative to this age old practice, a systematic curriculum has been developed to blend the old traditional and cultural values of the Kalenjin people with modern values of education, human rights, reproductive and sexual rights and empowerment of women and girls.
- 13-17 October 2009.** Hosted Professor Saulo Philipe Sebastião Guerra, visiting scholar from Sao Paulo State University.
- October, 2008. Invited speaker.** Improving Higher Education through Experiential Learning and Outcomes Assessment. University of Burundi. Bujumbura, Burundi.
- 21-24 October 2008.** Attended African Regional Higher Education Summit. Kigali, Rwanda. Strengthen partnerships with African colleagues in Ethiopia and Kenya to address needs for building human and infrastructure capacity.
- September 2008 to July 2011: Team Member of CAUSE.** Consortium created with support from USAID-HED as part of the African-U.S. Higher Education initiative to promote capacity building for higher education capacity by address needs of Africa and Oklahoma universities through innovative linkages in research, teaching and extension.
- August 2008 to July 2011: Team Leader for Oklahoma State University-Moi University, Partnership** for "Kenyan Cotton Industry Revitalization" Project. Administrative responsibilities related to team member selection, international travel logistics, communication with international partners and development of for funding proposals. Specific specialization is in evaluating educational programs required to prepare students for careers in agriculture and natural resources.
- December 2008 – July 2011.** Co-Chair of OSU-UNESP International Partnership Program. Provide administrative oversight for scholarships and support of faculty and student exchange between Oklahoma State University and Sao Paulo State University
- July 2008. Visiting Professor:** Sao Paulo State University (UNESP) - Botucatu, College of Agriculture. Teach graduate course "Residue and Waste Management" in English(n=27). The focus is on generation and management of organic residue and waste materials from agriculture, industry

and urbanization. (http://www.fca.unesp.br/noticia_detalhes.php?VID=161 verified 14 December 2010)

July 2008. Invited speaker to faculty at UNESP-Botucatu São Paulo Brazil, on waste management for low input agricultural systems.

August 2006. Invited Speaker. Developing Critical Thinking and Professionalism in Undergraduate Education. University of Burundi, United Nations Food and Agriculture Organization-Burundi, and Institut des Sciences Agronomiques du Burundi (ISABU). Bujumbura, Burundi.

August 2006. Invited Speaker. Residue and Waste Management. University of Burundi, United Nations Food and Agriculture Organization-Burundi, and Institut des Sciences Agronomiques du Burundi (ISABU). Bujumbura, Burundi.

August 2006. Invited Speaker. Soil Erosion and Control. University of Burundi, United Nations Food and Agriculture Organization-Burundi, and Institut des Sciences Agronomiques du Burundi (ISABU). Bujumbura, Burundi.

17-22 March 2002. Hosted by Reynaldo Villareal, director of educational programs at CIMMYT El Batan, Texcoco, Edo. de México for consultation on development of educational training modules for international programs. Ciudad de Obregon, Mexico.

Student Mentoring

Results of Students Mentored in Teaching Profession	
Classification of Students Mentored†	
Volunteer Undergraduate Teaching Assistant	14
Volunteer Graduate Teaching Assistant	45
Lead Graduate Teaching Assistant	10
Post-Doctoral Instructors	3
Total Number of Students Trained	71
Career Field of Students Mentored	
K-12 Education	4
Extension Educators	4
University Instructor	1
University Faculty	15
Teachers in the Profession	24

†Three (3) students were Agriculture Education majors all others were students majoring in Plant, Environmental or Soil Sciences.

Graduate Students

Graduate Committees Chaired						
Name	Degree		Completion Date	Thesis Title	Position	
1. O'Dell, Alan W.	M.S.	Oklahoma State	Withdrawn from program		Unknown	
2. Kochenower, Rick D.	M.S.	Oklahoma State	August, 1998	Poultry Litter as a Nitrogen Source for Degradation of Hydrocarbons in Contaminated Soils	Oklahoma State University Area Extension Specialist	

3.	Zupancic, K. Shawn	M.S.	Oklahoma State	May, 1999	Determination of Ammonia Flux From Swine Effluent Applied to Calcareous Soils	Homemaker
4.	Warren, Jason G.	M.S.	Oklahoma State	May, 2001	Ammonia Volatilization from Applied Swine Effluent in the Southern Great Plains	Faculty member, Oklahoma State University
5.	Wright, Damon G.	M.S.	Oklahoma State	May, 2002	Management Of Swine Waste Phosphorus And Impact Of Excess Phosphorus On The Environment	Engineering and Environmental Manager, QuikTrip Corporation
6.	Patton, Jamie J.	Ph.D.	Oklahoma State	December, 2003	Changes In Soil Physical Properties Resulting From Swine Effluent Amendments To A Calcareous Silt Loam And Mixed Methods Evaluation Of The Computer Applet Soil Temperature Changes With Depth And Time As An Undergraduate Teaching Tool	Faculty member, Northwest Missouri State University
7.	Turner, J. Clemm	M.S.	Oklahoma State	December, 2004	Electrical Conductivity And Sodium Adsorption Ratio Changes Following Annual Applications Of Animal Manure Amendments	Ph.D Candidate, Oklahoma State University
8.	Dobey, Bruce	M.S.	Oklahoma State	Withdrew from program to attend medical school		Physician Associate, Oklahoma University Medical Center
9.	Malapati, Adinariana R.	M.S.	Oklahoma State	December, 2006	Quantifying Ammonia Volatilization from Swine Effluent Applied to Calcareous Clay Loams in the Southern Great Plains	Research Scientist, Texas A&M AgriLife, Lubbock, TX
10.	Chung, Byungkyun Post-Doc	Post-Doc	Oklahoma State	August, 2008	Adjunct instructor in soil science. Supervised his teaching program during the academic year of 2007-2008.	Faculty member, McNeese State University
11.	Fultz, Lisa	M.S.	Oklahoma State	May, 2009	Nutrient Distribution Following Application Of Swine Effluent Through A Subsurface Drip Irrigation System	Faculty, Louisiana State University; Ph.D. Texas Tech University
12.	Vaughan, Mark	M.S.	Oklahoma State	Withdrew from program.		Technician, Oklahoma State University

13.	West, Heidi	M.S.	Oklahoma State	December, 2009	Accumulation And Capture Of Nitrogen And Sulfur In Biofilters Treating Aerial Emissions From Swine Production Facilities	Self-Employed Occidental Creative Designs and Community Garden Educator, Helena Montana
14.	Eskridge, Laura	M.S.	Oklahoma State	May 2011	Teaching Soil Conservation In An Introductory Soil Science Laboratory And The Classification Of Examinations Using The Revised Bloom's Taxonomy	Science teacher, Edmond Santa Fe, High School
15.	Tanganelli, Kaliana	M.S.	Oklahoma State	May, 2011	Sequential Fractionation And Water Soluble Phosphorus Methods To Investigate Soil Phosphorus In A Long-Term Manure Application	Climatekos, Consulting
16.	Turner, J.Clemon	Ph.D.	Oklahoma State	May, 2012		
17.	Kyle Blankenship	M.S.	Oklahoma State	December, 2011		Project Manager, Oklahoma Environmental, INC.
18.	Morris, Joshua C.		Oklahoma State	May, 2012		County Extension Educator, Kansas State University

Graduate Committees Served

Name	Degree	Department	Completion
1. Alyssa Zearley	M.S.	Environmental Science	Ohio State 2018
2. Steven Doyle	M.S.	Environmental Science	Ohio State 2018
3. Kaitlyn Murray	M.S.	Agricultural Communication Education and Leadership	Ohio State 2017
4. Annie Nsafoah	M.Ag	International Agriculture	Oklahoma State 2011
5. Chaowana Phetcharat	Ph.D.	Agriculture Economics	Oklahoma State 2011
6. Vonesili Saysana	M.S.	Agriculture Economics	Oklahoma State 2011
7. Thomas M. Walraven	M.S.	Animal Science	Oklahoma State 2010
8. Seong Cheol Park	Ph.D.	Agriculture Economics	Oklahoma State 2009
9. Caasi, Donna Ria	M.S.	Plant & Soil Sci.	Oklahoma State 2009
10. Jarrett, Jamie	M.S.	Animal Science	Oklahoma State 2008
11. Bundy, Justin	M.S.	Animal Science	Oklahoma State 2007
12. Lachmann, Mariela	Ph.D.	Animal Science	Oklahoma State 2007
13. Thomas, Allison	M.S.	Forestry	Oklahoma State Withdrew
14. Hanks, Travis	M.S.	Plant & Soil Sci.	Oklahoma State 2007
15. Ahmed, Hassan	Ph.D.	Environmental Sci.	Oklahoma State 2008
16. Wright, Damon G.	Ph.D.	Environmental Sci.	Oklahoma State Withdrew
17. Leggett, Holli	M.S.	Agriculture Commun.	Oklahoma State 2007
18. Puripunpinyoo, Anucha	Ph.D.	Agriculture Economics	Oklahoma State 2005
19. Dinesh Babu	M.S.	Plant & Soil Sci.	Oklahoma State 2005
20. Hornbuckle, Kimberly	M.S.	Biosystems Engineering	Oklahoma State 2004
21. Casillas, Mark	M.S.	Plant & Soil Sci.	Oklahoma State 2004
22. Carreira, Rita	Ph.D.	Agriculture Economics	Oklahoma State 2004
23. Friend, Michael	M.S.	Plant & Soil Sci.	Oklahoma State 2003
24. Dayton, Elizabeth	Ph.D.	Plant & Soil Sci.	Oklahoma State 2003
25. Bakar, Barry Moody,	Ph.D.	Agriculture Economics	Oklahoma State 2001
26. Furman, Jon Karl	M.S.	Plant & Soil Sci.	Oklahoma State 2000
27. White, Cody	M.S.	Environmental Sci.	Oklahoma State 1998

Graduate Committees Served					
Name	Degree	Department			Completion
28. Godoy, Arleen	M.S.	Environmental Sci.	Oklahoma State		1997
29. Craig, Paula	Ph.D.	Horticulture	Oklahoma State		1997
30. Peters, Jason	M.S.	Agronomy	Oklahoma State		1996
31. Hanke, Eric	M.S.	Agronomy	Oklahoma State		1996
32. Modisaotsile M.C.K.	M.S.	Agronomy	Oklahoma State		1996
33. Everett, Mark	M.S.	Agronomy	Oklahoma State		1995

Awards and Recognition of Graduate Advisee's

1. Kaitlyn Murray, Graduate Student Teaching Award, North American Colleges and Teachers of Agriculture, 2016
2. Pat Bell, Graduate Student Teaching Award, North American Colleges and Teachers of Agriculture, 2012
3. Laura Eskridge, Graduate Student Teaching Award, North American Colleges and Teachers of Agriculture, 2011
4. Kaliana Moro Tanganelli, 3rd Place Poster for "Sequential Fractionation and Water Soluble Phosphorus Methods to Investigate Soil Phosphorus in a Long-term Manure Application" at the Oklahoma Governor's Water Conference and Water Research Symposium, Oklahoma City, 27 October 2010.
5. Kyle Blankenship, 2nd Place Graduate Student Poster Presentations Research Week, Oklahoma State University, 2010.
6. Lisa M. Fultz, recipient of Helen DeVitt Jones Graduate Fellowship at Texas Tech University, 2009.
7. Jamie Patton, Graduate Student Teaching Award, North American Colleges and Teachers of Agriculture, 2003
8. K. Shawn Zupancic, Outstanding M.S. Student Department of Plant and Soil Sciences. 1999.

Undergraduate Students

The Ohio State University

Degrees in Progress = 13

13 Environmental Sciences

Second-year Transformational Experience Program (STEP)

- AU2018 = 14
- AU2017 = 16
- AU2016 = 19
- AU2015 = 18

Oklahoma State University Degrees Completed = 140

- 175 Plant and Soil Sciences B.S. Advisee's (1995-2011)
- 96 Environmental Sciences B.S. Advisee's (1995-2011)

International Undergraduate Internships supervised				
Name	Home Institution	Date	Project Title	
1. Santaniel, Fernanda Cabral Pontes	San Paulo State University	July – Nov. 2010	Affect of swine effluent and tillage on glomalin formation in a calcareous soil.	
2. Coralie Bussamra Pasquali	San Paulo State University	Aug. – Nov. 2010	Using oil production from algae using swine effluent as a nutrient source.	
3. Cassiano, Carla Cristina	San Paulo State University	Aug. – Nov. 2009	Nutrient movement in a calcareous soil following repeated swine effluent applications.	
4. Soares, Ana Carolina	San Paulo State University	Aug. – Dec. 2008	Transport of water soluble P in a calcareous soils receiving repeated applications of animal manure.	
5. Tanganelli, Kaliana	San Paulo State University	Aug. – Nov. 2007	Effect of effluent on pH changes in Brazil soil following surface application.	

Recognition and Awards of Undergraduate Advisee's

Name	Award/Scholarship/Research Activity	Year
<u>National or Regional</u>		
1. Elke Grether	Students of Agronomy, Soils and Environmental Sciences (SASES) National President	2011
2. Cody Claflin	Students of Agronomy, Soils and Environmental Sciences (SASES) National Treasurer	2011
3. Bryce Payne	5 th place Students of Agronomy, Soils and Environmental Sciences (SASES) club poster contest	2010
4. Elke Grether	Golden Opportunity Institute Scholar, sponsored by Amer. Soc. of Agron., Crop Sci. Soc. Amer. and Soil Sci. Soc. of Amer.	2010
5. Lauren White	Morris K. and Stewart L. Udall Scholarship Recipient	2010
6. Jeremy Bennett	Morris K. and Stewart L. Udall Scholarship Recipient	2010
7. Jeremy Bennett	Harry S. Truman Scholarship –Finalist	2010
8. Cody Claflin	Students of Agronomy, Soils and Environmental Sciences (SASES) National Corresponding Secretary	2010
9. Elke Grether	SASES National Student Activities Committee co-Chair	2010
10. Steven Snelson	SASES Student Speech Contest Co-Chair	2010
11. Jared Crain	2nd place National Student Research Symposium Oral Contest from Wentz Research project	2009
12. Jeremy Bennett	Morris K. and Stewart L. Udall Intern for the Native American Congressional Internship Program	2009
13. Savannah Smith	Morris K. and Stewart L. Udall Scholarship Recipient	2008
14. Lauren White	National Science Foundation-Research Experiences for Undergraduates: Natural History of a West Indian Herpetofauna	2008
15. Amber Brewe	SASES National Placement Committee Chair	2008
16. Matt Braun	Outstanding Senior Award,	2008
17. Joshua Bushong	4 th place individual Regional Crops Contest, Manhattan, KS	2007
18. Billie McKean	Outstanding Senior Award, Amer. Soc. of Agron.	2007
19. Tia Nobles	J. Fielding Reed Scholarship, Amer. Soc. of Agron.	2007
20. Yuriko Mori	Smithsonian Environmental Research Internship, Washington, D.C.	2007
21. Clint Wilcox	National Research Symposium contest chair, SASES	2007
22. Rima Thapa	Outstanding Senior Award, Amer. Soc. of Agron.	2006
23. Anthony Ruiz	1 st Place, Undergraduate Speech Contest, Amer. Soc. of Agron.	2006
24. Daniel Edmonds	Frank Lucas Congressional Intern, Washington D.C.	2006
25. Billie McKean	National Officer, Treasurer, SASES	2005
26. Rima Thapa	National Committee Chair, Speech Contest, SASES	2004
27. Jeff Lentz	3 rd Place, Undergraduate Manuscript, Amer. Soc. of Agron.	2002
28. Charles Kodesh	4 th Place, Undergraduate Manuscript, Amer. Soc. of Agron.	2002
29. David King	2 nd Place, Undergraduate Visual Presentation, Amer. Soc. of Agron.	2002
30. Brandon Fast	5 th Place, Undergraduate Visual Presentation, Amer. Soc. of Agron.	2002
31. Trenton Roberts	1 st Place, Undergraduate Research Paper, Amer. Soc. of Agron.	2002
32. Yancy Wright	Outstanding Senior Award, Amer. Soc. of Agron.	2002
33. Yancy Wright	Hank Beachell Future Leader Scholarship, Amer. Soc. of Agron.	2002
34. Yancy Wright	J. Fielding Reed Scholarship, Amer. Soc. of Agron.	2002
35. Frannie Rogers	Outstanding Senior Award, Amer. Soc. of Agron.	2001
36. Jennifer Prather	8 th Place, Undergraduate Manuscript Contest, Amer. Soc. of Agron.	2001
37. Danny Peeper	Outstanding Senior Award, Amer. Soc. of Agron.	2000
38. Mike Pumphrey	Hank Beachell Future Leader Scholarship, Amer. Soc. of Agron.	2000
39. Sarah Haymaker	Outstanding Senior Award, Amer. Soc. of Agron.	1999
40. Danny Peeper	2 nd Place, Undergraduate Research Symposium, Amer. Soc. of Agron.	1999
41. Jason Jarrell	3 rd Place, Undergraduate Visual Presentation, Amer. Soc. of Agron.	1999
42. Frannie Rogers	5 th Place, Undergraduate Manuscript Contest, Amer. Soc. of Agron.	1999
43. Mike Pumphrey	Undergraduate National T-shirt Design Winner, Amer. Soc. of Agron.	1998
<u>University or College Award/Activity</u>		
44. Jeremy Bennett	An Oklahoma State University Alumni Association, Outstanding Senior	2011

Recognition and Awards of Undergraduate Advisee's

Name	Award/Scholarship/Research Activity	Year
45. Jeremy Bennett	CASNR Outstanding Student	2011
46. Jeremy Bennett	CASNR Top Ten Senior	2011
47. Evan Booher	Morris K. and Stewart L. Udall Scholarship Nominee	2011
48. Melissa Booher	Morris K. and Stewart L. Udall Scholarship Nominee	2011
49. Jeremy Bennett	OSU Senior of Significance	2011
50. Evan Booher	OSU Wentz Undergraduate Research Project	2010
51. Jared Crain	Undergraduate Research Presentation 2 nd for OSU Research Week	2010
52. Pat Bell	Undergraduate Research Presentation 2 nd for OSU Research Week	2010
53. Savannah Smith	CASNR Top Ten Senior	2009
54. Savannah Smith	The Creativity Challenge, "Real Pokes Pass It On" 1 st Place, OSU Research Week	2009
55. Lauren White	Morris K. and Stewart L. Udall Scholarship Nominee	2009
56. Savannah Smith	OSU Senior of Significance	2008
57. Audrey Clark	OSU Freshman Research Scholar	2008
58. Elke Grether	OSU Freshman Research Scholar	2008
59. Jared Crain	OSU Wentz Undergraduate Research Project	2008
60. Lauren White	OSU Wentz Undergraduate Research Project	2008
61. Lauren White	John Niblack Research Scholar OSU	2008
62. Lauren White	OSU Freshman Research Scholar	2007
63. Megan McClure	OSU Wentz Undergraduate Research Project	2007
64. Tia Nobles	CASNR Student of the Month	2007
65. Megan McClure	OSU Freshman Research Scholar	2006
66. Rima Thapa	OSU Wentz Undergraduate Research Project	2006
67. Melissa Molzahn	OSU Wentz Undergraduate Research Project	2006
68. Shawna Loper	CASNR Agriculture Ambassador, President	2006
69. Daniel Edmonds	CASNR State Capital Legislative Intern, Oklahoma City, OK	2006
70. Rima Thapa	OSU Wentz Undergraduate Research Project	2005
71. Shawna Loper	CASNR Agriculture Ambassador	2005
72. Ryan Jenlink	CASNR Top Ten Senior	2005
73. Ryan Jenlink	An Oklahoma State University Alumni Association, Outstanding Senior	2005
74. Ryan Jenlink	OSU Top Ten Freshman	2002
75. Trenton Roberts	OSU Wentz Undergraduate Research Project	2002
76. Trenton Roberts	OSU Wentz Undergraduate Research Project	2001
77. Jeffrey Lentz	Honor Soc. of Agriculture-Gamma Sigma Delta	2000
78. Mike Pumphrey	OSU representative at state legislative Undergraduate Research Day	2000
79. Mike Pumphrey	OSU Outstanding Wentz Research Project	2000
80. Mike Pumphrey	OSU Wentz Undergraduate Research Project	1999
81. Bonnie Cain	OSU Wentz Undergraduate Research Project	1997
82. Paul DeLaune	OSU Wentz Undergraduate Research Project	1997

Department Award/Activity

83. Michael Reinert	OSU Department of Plant and Soil Sciences Senior Leadership Award	2010
84. Dillon Butchee	OSU Department of Plant and Soil Sciences Senior Academic Award	2009
85. Matt Hough	OSU Department of Plant and Soil Sciences Senior Academic Award	2008
86. Yumiko Kanke	OSU Department of Plant and Soil Sciences Senior Leadership Award	2008
87. Melissa Molzahn	OSU Department of Plant and Soil Sciences Senior Academic Award	2007
88. Billie McKean	OSU Department of Plant and Soil Sciences Senior Leadership Award	2007
89. Chor Tee Tan	OSU Department of Plant and Soil Sciences Senior Academic Award	2006
90. Rima Thapa	OSU Department of Plant and Soil Sciences Senior Leadership Award	2006
91. Koichiro Ito	OSU Department of Plant and Soil Sciences Senior Academic Award	2005
92. Robby Glasgow	OSU Department of Plant and Soil Sciences Senior Leadership Award	2005
93. Jeff Lentz	OSU Department of Plant and Soil Sciences Senior Academic Award	2003
94. Michael Pettijohn	OSU Department of Plant and Soil Sciences Senior Academic Award	2002
95. Yancy Wright	OSU Department of Plant and Soil Sciences Senior Leadership Award	2002
96. Michael Pettijohn	OSU Department of Plant and Soil Sciences Senior Academic Award	2002
97. Neil Enis	OSU Department of Plant and Soil Sciences Senior Academic Award	2001

Recognition and Awards of Undergraduate Advisee's

<u>Name</u>	<u>Award/Scholarship/Research Activity</u>	<u>Year</u>
98. Mike Pumphrey	OSU Department of Plant and Soil Sciences Senior Academic Award	2000
99. Tate Endersby	OSU Department of Plant and Soil Sciences Senior Academic Award	1999
100. Garvin Tankersley	OSU Department of Plant and Soil Sciences Senior Leadership Award	1998
101. Rick Kochenower	OSU Agronomy Department Senior Academic Award	1996

Clubs and Organizations

1. Faculty Advisor, Towers Agricultural Honorary Society, The Ohio State University, (2011-present)
2. Faculty Advisor, Co Advisor CFAES Banquet Committee (2011-2013)
3. National Advisor, Students of Agronomy, Soils and Environmental Sciences, (2010-2012)
4. Faculty Advisor for OSU Soil and Water Conservation Club, (1994-2011)
5. Co-Faculty Advisor for OSU Environmental Science Club (2006-2010)
6. Co-Faculty Advisor for OSU Agronomy Club (1995-97, 2004-2007)

Summary of Teaching Responsibilities

1. **Soil Science** (ENR 3000H). AU2019; Introduction to soil physical, chemical, and biological properties related to land use, environmental quality, and crop production for students in OSU Honors program.
2. **Study at a Foreign Institution: New Zealand** (ENR 5797.04). SU2019; Integrate ecological, biological, and social sciences to examine relationships between human societies and the natural environment. Provide context for lectures faculty and practitioners plus experiential activities in human communities and natural areas in New Zealand's South Island. Build an understanding of ecological concepts, how ecological conditions influence human cultures and communities, and how these factors interact to affect environmental policy and management.
3. **Soil Science Graduate Seminar** (ENR 8890.04). SP2018, AU2018, SP2019; Co-teach with M. Scott Demyan. Seminar on special topics in soil science in environment and natural resources.
4. **ENR First Year Experience** (ENR 1100), The Ohio State University, AU2018; Guest lecture Academic Integrity and Academic Freedom.
5. **Soil Resource Management** (ENR 4260), SP2018, 2 guest lectures.
6. **FAES First Year Experience** (FAES 1100), The Ohio State University, AU 2012-2017; overview of the land-grant mission, CFAES mission, purpose of higher education, introduction to skills and abilities for academic and professional success.
7. **FAES First-Year Trip** (FAES 3797.03), The Ohio State University, 2015, 2016, 2017; team taught. Education abroad experience designed for first-year students that introduces them to sustainable agriculture, natural resources, environmental sciences and cultural diversity in Nicaragua.
8. **FAES First-Year Trip** (FAES 2194), The Ohio State University, 2011, 2012, team taught; Education abroad experience designed for first-year students that introduces them to sustainable agriculture, natural resources, environmental sciences and cultural diversity in Ecuador.
9. **Fundamentals of Soil Science** (SOIL 2124), Oklahoma State University, Fall and Spring 1995 to 2011. Developed and teach an introductory course in soil science which includes seven (7) laboratory sections. Class is targeted at multiple disciplines in agricultural, environmental and biological sciences and managers of natural resource systems.
10. **Fundamentals of Soil Science-Correspondence** (SOIL 2124A), Oklahoma State University, Fall and Spring 1995 to 1999. Developed and taught an introductory course in soil science class targeted at multiple disciplines in agricultural, environmental and biological sciences and managers of natural resource systems.

11. **Soil and Water Conservation** (SOIL 4463), Oklahoma State University, Spring 1995 to 2011. Developed and teach a course focused on conservation of soil and water resources. Primary areas of interest are minimization of wind and water erosion, residue management, minimization of water losses in semi-arid to arid environments and loss of water quality. Class is targeted at upper-class students in the multiple disciplines of agricultural, environmental and biological sciences and managers of natural resource systems.
12. **Soil Nutrient Management** (SOIL 4234), Oklahoma State University, fall semester, 1995 to 1998. Developed and teach two (2) laboratory sections of an upper-class level course on soil fertility.
13. **Animal Waste Management** (SOIL 4863), Oklahoma State University, fall, 1995 to 2010. Developed and teach a senior/graduate level course related to management of animal waste.
14. **Dynamics of Wetland, Forest and Range Soils** (SOIL 4563), Oklahoma State University, Fall 1996 to Fall 2008. Developed and teach a senior/graduate level course aimed at soil systems which are managed with low agronomic inputs and rely primarily on soil cycles for productivity.
15. **Professional Development** (PLNT 2041), Oklahoma State University, fall semester, 1999, 2004-2008. Developed a course directed to sophomore and transfer students to help them develop planning skills for their careers. These skills include personal goals, resume development, interview skills, professional development and career planning.
16. **Freshman Research Scholars** (ENVR 4500). Oklahoma State University. FA2006 to FA2009. Honors course to teach incoming freshman students in Environmental Sciences the foundations of the scientific method. Students must interview a faculty member involved in research and develop a research proposal.
17. **Environmental Science Problems and Applications** (ENVR 4813). Oklahoma State University. SP2007. A senior capstone course to develop problem solving skills and applications related to environmental issues. Students work with clients to identify client needs, values and expectations then develop possible solutions for the clients. Clients include federal and state agencies, universities and private individuals in EPA Region 6.
18. **Agricultural and Environmental Sustainability in China** (AG 4080 3 hours). This course explores agricultural and environmental sustainability issues in China while learning how cultural practices affect land management decisions. This course receives general education credit for an International Dimension.
19. **Plant and Soil Sciences Freshman Orientation** (PLNT1101), Introduce students to the breadth of disciplines in the department and allow them to interact with faculty within those disciplines as they begin to develop a career plan. Time is spent on discussing and demonstrating student skills required for success in college.
20. **Soil Science Instruction** (SOIL 5510), Assist graduate students in the developing an understanding of pedagogy relative to soil science including: lecture outlines, communication techniques, interpersonal interactions with students and curricular materials.
21. **Graduate Seminar** (SOIL 5020), Assist graduate students in the developing scientific communication and presentation skills.
22. **Environmental and Agricultural Sustainability in China** (AG 3080). SU2009. General Education study abroad course exploring sustainability of environmental and agricultural topics in China.
23. **Soil Fertility** (AY502), Auburn University, 1994. Taught a senior/graduate level course in soil fertility.
24. **Fertilizer and Soil Testing** (AY506), Auburn University, 1994. Guest lecturer for a senior/graduate level course on use of fertilizers in agronomic systems.

25. **Soil and Plant Analysis** (AGRON 4213), University of Arkansas, fall 1986, 1988. Lab instructor responsible for organizing and teaching laboratory sections.
26. **Introduction to Soils** (AGRON 2203), University of Arkansas, spring 1987, 1993. Discussion leader for introductory soils course responsible for supplementing lecture concepts.

Record of Students Taught in Courses at Oklahoma State University

Course															
Year	SOIL 2124	PLTN 2041	SOIL 4234	SOIL 4463†	SOIL 4563	SOIL 4913	PLNT 4080	SOIL 4470	SOIL 5020	SOIL 5110	ENVR 4500	ENVR4811	ENVR 4813	AG 3080	All Courses
1995	231			44		18									
1996	211		32	105	18										
1997	228		35	56		30									
1998	234		25	59	25										
1999	182	27				28									
2000	216			58	36										
2001	219			36		26									
2002	240			34	25			11		2					
2003	234			42		26		6		1					
2004	217	21		52	29		3			2					
2005	207	16		50		26	4	4		6					
2006	231	31		33	31		2	1	10	3	2				
2007	208	13		42		18	2	1	11	1	1		14		
2008	219	20		28	26			2	18	1	2		15		
2009	206	20		47		16		1	9	2	1		16	12	
2010	205	24		34		11			22	3	1	13	14		
2011	73			37					12	2			15		
Total	3561	172	92	757	190	199	11	26	82	23	7	13	74	12	5219
SCH‡	14,244	172	92	2271	570	597	33	26	82	23	7	13	222	36	18,388

†Offered Spring and Fall Semesters in 1996 only.

‡Student Credit Hours

SOIL4913 is cross-listed with ANSI4913 and renumbered from SOIL4863 fall 2010

Refereed Publications

†≡ denotes student authored or co-authored.

1. Murray, K.,† M. Stollar,† R. McClellan,† J. King, J. A. Hattey 2018. A Systematic Map and Scoping Review of Soft Skill Assessment Instruments for College Students and Peer Mentoring Programs. *NACTA J.* Vol 62(3) 267-274.
2. Popova, I., S. Deng, and J. Hattey. 2017. Tetracycline resistance in semi-arid agricultural soils under long-term swine effluent application. *J Environ Sci Health B.* 52(5):298-305. <https://doi.org/10.1080/03601234.2017.1281639>.
3. Bell, P.,† J. Hattey, M. Dicks. 2013. A Model for Service Abroad Courses: Agricultural Development in Sierra Leone. *NACTA Journal* 57.3a (Sep 2013): 56-58.
4. Burnett, S.A.,† J.A. Hattey, J.E. Johnson, A.L. Swann and S.L. Collins. 2012. Effects of fire on belowground biomass in Chihuahuan desert grassland. *Ecosphere* 3(11): art.107 pp. 1-13. doi: <http://dx.doi.org/10.1890/ES12-00248.1> .
5. Park S.C.,† B.W. Brorsen, A.L. Stoecker, and J.A. Hattey. 2012. Forage Response to Swine Effluent: A Cox Nonnested Test of Alternative Functional Forms Using a Fast Double Bootstrap. *J. Agri. Appl. Econ.* 44(4):593–606.
6. Booher, E.C.J.,† C.M. Greenwood and J.A. Hattey. 2012. Effects of Soil Amendments on Soil Microarthropods in Continuous Maize in Western Oklahoma. *J. Southwestern Ento.* 37(1):23-30. doi: <http://dx.doi.org/10.3958/059.037.0103> .
7. Park S.C.† J.D. Vitale, J.C. Turner, A. Stoecker, and J.A. Hattey. 2011. Economic Potential of Intensified Forage Systems in the Southern Plains. *J. Am. Soc. Farm Mgmt Rural Appr.* 74:99-121.
8. Richards, J.,† H. Zhang, J. Schroder, J. A. Hattey W.R. Raun, and M. Payton. 2011. Micronutrient Availability As Affected By the Long-Term Application of Phosphorus Fertilizer and Organic Amendments. *Soil Sci. Soc. Am. J.* 75:927-939. doi: 10.2136/sssaj2010.0269 .
9. Janzen, H. H., P.E. Fixen, A. J. Franzluebbers, J. Hattey, R. C. Izaurrealde, Q. M. Ketterings, D. A. Lobb, and W. H. Schlesinger. 2011. Global Prospects Rooted in Soil Science. *Soil Sci. Soc. Am. J.* 75:1-8. doi:10.2136/sssaj2009.0216 .
10. Turner, J.C.,† J.A. Hattey, J.G. Warren, and C.J. Penn. 2010. Electrical Conductivity and Sodium Adsorption Ratio Changes Following Annual Applications of Animal Manure Amendments. *Comm. Soil Sci. Plant Anal.* 41:1043-1060.
11. Ferris, D.R., J.A. Hattey, and M.D. Mullen. 2010. The Soil Science Profession: Investment, Vestment and Validation. *Soil Sci. Soc. Am. J.* 74:453-460. doi:10.2136/sssaj2009.0172 .
12. Park, S.C.† J.D. Vitale, J.C. Turner,† J.A. Hattey, and A. Stoecker. 2010. Economic Profitability of Sustained Application of Swine Lagoon Effluent and Beef Feedlot Manure Relative to Anhydrous Ammonia in the Oklahoma Panhandle. *Agron. J.* 102:420-430. doi:10.2134/agronj2009.0166
13. Patton, J.J.† and J.A. Hattey. 2009. A Mixed Methods Evaluation of the Computer Applet Soil Temperature Changes with Depth and Time as an Undergraduate Teaching Tool. *NACTA J.* 53:7-13.
14. Carreira, R.I.,† A.L. Stoecker, F.M. Epplin, J.A. Hattey, and M.A. Kizer. 2006. Subsurface drip irrigation versus center pivot sprinkler for applying swine effluent to corn. *J. Agric Applied Econ.* 38(3) 645-658.
15. Warren, J.G.,† J.A. Hattey, J.C. Turner,† and S.B. Phillips. 2006. Comparison of two micrometeorological methods to determine ammonia volatilization from lagoon swine effluent. *Comm. Soil Sci. Plant Anal.* 37:1339-1356.
16. Deng, S.P., D. Babu, J.A. Parham,† and J.A. Hattey. 2006. Animal manure and anhydrous ammonia amendment alter microbial carbon use efficiency, microbial biomass, and activities of dehydrogenase

and amidohydrolases in semiarid agroecosystems. *Appl. Soil Ecol.* 33:258-268. (Identified as a top 25 most reviewed paper by *Appl. Soil Ecol.*)

17. Ye, W., J. C. Lorimor, C. Hurburgh, H. Zhang, J. Hattey. 2005 Application of near-infrared reflectance spectroscopy for determination of nutrient contents in liquid and solid manures. *ASAE Vol.* 48(5):1911-1918.
18. Springer, T.L., C.M. Taliaferro, and J.A. Hattey. 2005. Nitrogen source and rate effects on the production of buffalograss forage grown with irrigation. *Crop Sci.* 45:668-672. doi:10.2135/cropsci2005.0668 .
19. Roberts, T. L.,† and J. A. Hattey. 2004. Combining Diesel-Contaminated Soil and Anhydrous Ammonia-Contaminated Soil to Measure the Effectiveness of Total Petroleum Hydrocarbon Remediation. *J. Nat. Resour. Life Sci. Educ.* 33:47–50 (Student essay).
20. Wu, J., D. L. Nofziger, J. G. Warren,† and J. A. Hattey. 2003. Estimating ammonia volatilization from swine-effluent droplets in sprinkle irrigation. *Soil Sci. Soc. Am. J.* 67:1352-1360. doi:10.2136/sssaj2003.1352 .
21. Wu, J., D. L. Nofziger, J. G. Warren,† and J. A. Hattey. 2003. Modeling ammonia volatilization from surface-applied swine effluent. *Soil Sci. Soc. Am. J.* 67:1-11. doi:10.2136/sssaj2003.1000 .
22. Dayton, E.A.,† N.T. Basta, C.A. Jakober and J.A. Hattey. 2003. Using drinking water residuals to reduce phosphorus in runoff water. *J. Am. Water Works Assoc.* 95:151-158.
23. Zhang, H. and J.A. Hattey. 2000. Open-Vessel microwave digestion of animal waste samples for multi-element analysis. *Commun. Soil Sci. Plant Anal.* 31:2959-2967.
24. Millmier, A., J. Lorimor, C. Hurburgh, C. Fulhage, J. Hattey, and H. Zhang. 2000. Near-infrared sensing of manure nutrients. *Trans. ASAE* 43:903-908; *ASAE National Blue Ribbon paper winner*
25. Raun, W.R., N.T. Basta, J.A. Hattey, H. Zhang, and G.V. Johnson. 1998. Changing departmental names from agronomy to plant, crop and soil sciences. *J. Nat. Resour. Life Sci. Educ.* 27:113-116.
26. Raun, W.R., G.V. Johnson, J.A. Hattey, S.L. Taylor, and H.L. Lees. 1997. Nitrogen cycle ninja, A teaching exercise. *J. Nat. Res. Life Sci. Educ.* 26:39-42.
27. Guertal, E.A., and J.A. Hattey. 1997. Incorporating the Internet into the classroom. *J. Nat. Resour. Life Sci. Educ.* 26:7 (**Invited**).
28. Hattey, J.A., and G.V. Johnson. 1997. Simple laboratory experiment for illustrating soil respiration. *J. Nat. Resour. Life Sci. Educ.* 26:6 (**Invited**).
29. Guertal, E.A., and J.A. Hattey. 1996. A scale model of cation exchange capacity for classroom demonstration. *J. Nat. Resour. Life Sci. Educ.* 25:125-127.
30. Hattey, J.A., W.E. Sabbe, G.D. Batten, and A.B. Blakeney. 1994. Nitrogen and starch analysis of cotton leaves using near infrared reflectance spectroscopy. *Commun. Soil Sci. Plant Anal.* 25:1855-1863.

Grantsmanship

Total Funding =\$4,150,282

1. Dayton, E.A. and J.A. Hattey. On-Field Ohio Pilot Implementation Project Development. Routing # ??????. Submitted to Ohio Corn Checkoff. In preparation 2019. Pending for \$50,000.
2. Basta, N.T., M. Rodriguez, M. Gardiner, R. Lanno and J.A. Hattey. A Community-Driven Approach for Remediation of Urban Pb-Contaminated Soil to Improve Public and Ecological Health. Submitted to SEEDS: The OARDC Research Enhancement Competitive Grants Program. 10 Oct. 2018 Requested resubmission by reviewers: Pending for \$79,412.08.

3. Dayton, E.A. and J.A. Hattey. On-Field Ohio Pilot Implementation Project Development. Routing # 79477. Submitted to Ohio Soybean Council. 7 Dec. 2018. Funded for \$50,000.
4. Popova, I.E., S. Deng and J.A. Hattey. 2010. Detection of tetracyclines and tetracycline resistant bacteria in soils under long-term swine effluent application. Submitted to National Pork Board 15 May 2010. Funded for \$46,261.
5. Hattey, J.A., S.D. Carter, S. Deng, M.A. Kizer, A.L. Stoecker, J. Vitale and J. Warren. 2010. Animal waste management in semiarid agroecosystems. Submitted to USDA 2010 through NIFA and OAES. June 1, 2010. Funded for \$256,464.
6. Wilson, S., J.A. Hattey, B. Stoecker and R. Merkel. 2009. Building a Consortium of Africa-United States Educators. Submitted to USAID-HED 9 Feb. 2009. Funded for \$50,000.
7. Hattey, J.A., S.D. Carter, S. Deng, M.A. Kizer, A.L. Stoecker, and J. Vitale. 2009. Animal waste management in semiarid agroecosystems. Submitted to USDA 2009 through CSREES and OAES. June 1, 2009. Funded for \$256,464.
8. Hattey, J.A., S.D. Carter, S. Deng, M.A. Kizer, and A.L. Stoecker. 2008. Nutrient Flow From semiarid agroecosystems. Submitted to USDA 2008 through CSREES and OAES. May 15, 2008. Funded for \$273,257.
9. Hattey, J.A., S.D. Carter, S. Deng, M.A. Kizer, and A.L. Stoecker. 2007. Nutrient Flow From semiarid agroecosystems. Submitted to USDA 2007 through CSREES and OAES. May 15, 2007. Funded for \$366,949.
10. Hattey, J.A., S.D. Carter, S. Deng, M.A. Kizer, and A.L. Stoecker. 2006. Animal waste management in semiarid agroecosystems. Submitted to USDA 2006 Special Research Grant. Submitted 17 April, 2006. Funded for \$366,949.
11. Deng, S, and J.A. Hattey. 2005. Manure-Phosphorus in Soil—Detection and Mobility of Phytate. National Pork Board. Submitted 15 October, 2005. Funded for \$40,000
12. Hattey, J.A., S.D. Carter, S. Deng, M.A. Kizer, and A.L. Stoecker. 2005. Animal waste management in semiarid agroecosystems. Submitted to USDA 2005 Special Research Grant. Submitted 15 February, 2005. Funded for \$276,656.
13. Hattey, J.A., S.D. Carter, S. Deng, A.L. Stoecker and M.A. Kizer. 2004. Animal waste systems in semiarid agroecosystems. Submitted to USDA 2004 Special Research Grant. Submitted 15 February, 2004. Funded for \$279,143.
14. Hattey, J.A., M.A. Kizer, S.D. Carter, S. Deng and A.L. Stoecker. 2003. Animal waste systems in semiarid agroecosystems. Submitted to USDA 2003 Special Research Grant. Submitted 15 February, 2003. Funded for \$311,522.
15. Hattey, J.A., M.A. Kizer, S.D. Carter, S. Deng and A.L. Stoecker. 2002. Animal waste management in semiarid agroecosystems. Submitted to USDA 2002 Special Research Grant. Submitted 7 February 2002. Funded for \$299,520.
16. Hattey, J.A., M.A. Kizer, S.D. Carter, S. Deng and A.L. Stoecker. 2001. Animal waste management in semiarid agroecosystems. Submitted to USDA 2001 Special Research Grant. Submitted 25 January, 2001. Funded for \$225,841.
17. Wood, M., C. Strasia, G. Horn, C. Krehbiel, J. Hattey, and S. Hays. Effect of Production System on Removal of Soil Phosphorus by Winter Wheat. 2000. Submitted to Texas Cattle Feeders Association. Submitted 15 August, 2000. Funded for \$12,000
18. Hattey, J.A., M.A. Kizer, S.D. Carter, A.L. Stoecker, and T. Springer. 2000. Animal waste management in semiarid agroecosystems. Submitted to USDA 2000 Special Research Grant. Submitted 15 March, 2000. Funded for \$213,940.
19. Lorimor J., C. Hurburgh, S. Birrell, C. Fulhage, J. Sawyer, T. Richard, J. Hattey, H. Zhang. Near Infrared Technology for Quick Determination of Manure Nutrients. Submitted to Multi-State

- Consortium on Animal Waste. 12 May, 1997 for \$81,300 Funded for \$97,300 (OSU portion, \$43,500) 1 Aug. 1999.
20. Hattey, J.A., M.A. Kizer, S.D. Carter, A.L. Stoecker, and T. Springer. 1999. Animal waste management in semiarid agroecosystems. Submitted to USDA 1999 Special Research Grant. 29 Jan. 1999 for \$234,000.
 21. Hattey, J.A., H.A. Zhang, D. Hamilton, M. Kizer, R. Mikkelsen (NCSU), and Wayne Robarge (NCSU). Assessing ammonia emissions from swine lagoons and effluent application. Submitted to Multi-State Consortium on Animal Waste. 12 May, 1998 for \$20,000 Funded for \$20,000 30 May, 1998.
 22. Hattey, J.A., M.A. Kizer, S.D. Carter, A.L. Stoecker, and T. Springer. 1998. Animal waste management in semiarid agroecosystems. Submitted to USDA 1998 Special Research Grant. 29 Jan. 1998 for \$236,437. Funded for \$236,437.
 23. Lorimor J., C. Hurburgh, C. Fulhage, H. Person, J. Hattey, H. Zhang. Near Infrared Technology for Quick Determination of Manure Nutrients. Submitted to Multi-State Consortium on Animal Waste. 12 May, 1997 for \$20,000 Funded for \$7,000 30 May, 1997.
 24. Zhang H.A., N. Basta, J. Hattey, and D. Storm. 1997. Soil phosphorus testing for surface water quality protection. Submitted to The Environmental Institute Center for Water Research 28 February, 1997 for \$25,000 Funded for \$25,000 1 July, 1997.
 25. Hattey, J.A., H.A. Zhang, D. Hamilton, M. Kizer, R. Mikkelsen (NCSU), and Wayne Robarge (NCSU). Assessing ammonia emissions from swine lagoons and effluent application. Submitted to Multi-State Consortium on Animal Waste. 12 May, 1997 for \$20,000 Funded for \$20,000 30 May, 1997.
 26. Hamilton, D., H.A. Zhang, D. Demezas, and J.A. Hattey. 1997. Groundwater and atmospheric pollution potential from model facultative swine lagoons. Submitted to The Environmental Institute Center for Water Research 28 February, 1997 for \$47,600 Funded for \$47,600 1 July, 1997.
 27. Hattey, J.A. 1996. Gift of Lachat QuicChem System IV to Agronomy (Soils) teaching program through Lachat QuicGrant program. Valued at \$2,000, 12 August 1996.
 28. Hattey, J.A., N.T. Basta, B.J. Carter and K.J. Donnelly. 1996. Renovations to improve soils laboratory instructional facilities. Submitted to Provost and Vice-President for Academic Affairs (Dr. Keener, OSU). 5 April 1996 for \$20,000. Funded for \$15,000 25 June 1996.
 29. Hattey, J.A., B.J. Carter, and N.T. Basta. 1996. Remediation of soils contaminated with petroleum hydrocarbons and salinity using poultry waste products. Submitted to The Environmental Institute Center for Water Research 16 February, 1996 for \$23,995 Funded for \$23,995 1 July, 1996.
 30. Guertal, E.A., K.L. Bowen, J.A. Hattey, and K.J. Donnelly. 1995. AgWeb: A world wide web site for enhanced undergraduate learning. Submitted to USDA Higher Education Challenge Grants 18 May 1995 for \$155,761. Funded for \$72,000 (OSU portion \$35,512), 1 December 1995.
 31. Hattey, J.A., and E.R. Allen. 1995. Rapid analysis of animal waste using near infrared reflectance spectroscopy. Submitted to The Environmental Institute Center for Water Research 30 January 1995 for \$24,990. Funded for \$24,990 1 July 1995.

Proceedings Publications

1. Phetcharat, C., A.L. Stoecker, J.A. Hattey, J.G. Warren, J.D. Vitale, and S.C. Park. 2011. "An Optimal Application of Swine Effluent in Texas and Oklahoma Panhandle Determined by Bayesian Stochastic Dynamic Programming." Selected paper, Western Agricultural Economics Association (WAEA) meeting, Banff, Alberta, Canada, June 29-July 1, 2011.
2. Park S.C., C. Phetcharat, A. Stoecker, and J.A. Hattey. 2010. Optimal Application of Swine Effluent under Stochastic Weather Conditions in the Texas and Oklahoma Panhandles. [verified 14 October 2010: <http://ageconsearch.umn.edu/bitstream/56444/2/2010%20SAEA%20Swine%20Effluent%20Manuscript%20V3.pdf>].
3. Silvano L. Abreu, Jeff A. Hattey, Clemn Turner, Chad Godsey, Jeff Edwards. 2008. Aggregate stability, carbon and nitrogen storage in soils after eight years of swine effluent application and crop rotation *In* D.M. Endale (ed.) Proc. 30th So. Conserv. Agric. Syst. Conf. and 8th Ann. GA Conserv. Prod. Syst. Trng. Conf., Tifton, Georgia, July 29-31, 2008. [verified 6 March October 2009: <http://www.ag.auburn.edu/auxiliary/nsdl/scasc>].
4. Park, S.C., A. Stoecker, J.A. Hattey and J.C. Turner. 2007. Long-term profitability of animal manure using optimal nitrogen application rate. *J. Agric Applied Econ.* [verified 24 October 2007: <http://ageconsearch.umn.edu/bitstream/123456789/802/1/sp07pa04.pdf>]
5. Carreira, R.I., A.L. Stoecker, J.A. Hattey, and M.A. Kizer. 2004. Dynamic Comparison of Systems for Irrigation and Effluent Application. *J. Agric Applied Econ.* [verified 24 October 2007: <http://ageconsearch.umn.edu/bitstream/123456789/821/1/sp04ca06.pdf>]
6. Carreira, R.I., A.L. Stoecker, J.A. Hattey, and M.A. Kizer. 2004. Management Strategies to Mitigate Environmental Impact of Weather Uncertainty in Effluent Application to Irrigated Corn in Semiarid Regions. *J. Agric Applied Econ.* [verified 24 October 2007: <http://ageconsearch.umn.edu/bitstream/123456789/15726/1/sp04ca05.pdf>]
7. Ye, W., J. Lorimor, and C. Hurburgh, H. Zhang, and J. Hattey. 2003. The transfer of beef cattle feedlot manure calibrations between near-infrared spectrophotometers using three standardization techniques. Ed. R.T. Burns. Ninth International Symposium on Animal, Agricultural and Food Processing Waste (ISAAFPW). ASAE Publ. No. 701P1203.
8. Hattey, J.A., J.G. Warren, J.C. Turner, and J.J. Patton. 2002. Ammonia volatilization from swine effluent applied to cropping systems on a calcareous soil. *In* Great Plains Soil Fertility Conf. Proc. 9:10-15.
9. Hattey, J.A., J.G. Warren, J.C. Turner, and J.W. Parton. 2001. Feasibility of acidifying swine effluent to reduce NH₃ volatilization. *In* Havenstiein Addressing Animal Production and Environmental Issues Proceedings (CD-ROM). North Carolina State University.
10. Hattey, J.A., J.G. Warren and K.S. Zupancic. 2000. Ammonia volatilization from swine effluent in the southern high plains. Southern Pasture and Forage Crop Improvement Conference Proceedings. Raleigh, North Carolina.
11. Zupancic, K.S., J.A. Hattey, R. Mikkelsen, H.A. Zhang, D. Hamilton, and M. Kizer. 1999. Determination of ammonia flux from swine effluent applications in the Southern Great Plains. *In* Havenstiein NCSU Animal Waste Management Symposium. p. 411-414.
12. Millmier, A., Lorimor J., C. Hurburgh, C. Fulhage, H. Person, J. Hattey, H. Zhang. 1999. Near Infrared Technology for Determining Mnure Nutrients. *In* Havenstiein NCSU Animal Waste Management Symposium. p. 334-337.
13. Hattey, J.A., 1999. Agronomic uses of animal waste on cropland. *In* Springer, et al. (eds). High Plains Animal Waste Conference.
14. Springer, T.L., J.A. Hattey and H.A. Zhang. (Eds) 1999. High Plains Animal Waste Management Conference Proceedings. Oklahoma State University, Stillwater.

15. Zupancic, K.S., J.A. Hattey, R. Mikkelsen, H.A. Zhang, D. Hamilton, and M. Kizer. 1998. Assessing ammonia emissions from swine lagoons and effluent application. *In* C. Scanes and R. Kanwar (eds.) *Animal Production Systems and the Environment: An International Conference on Odor, Water Quality, Nutrient Management and Socioeconomic Issues*. Vol. II. p. 565-570.
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19. Turner, J.C., and J.A. Hattey. 2004. Changes in Sodium Adsorption Ratio Following Annual Applications of Animal Manures. *In Agronomy Abstracts*. (6044) ASA, Madison, WI.
20. Malapati, A.R., J.C. Morris, J.C. Turner, and J.A. Hattey. 2004. Quantification of Ammonia Volatilization from Swine Effluent Applied to Buffalograss. *In Agronomy Abstracts*. (6215) ASA, Madison, WI.
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23. Bushong, J.T., R.J. Norman, C.E. Wilson Jr., N.A. Slaton, J.A. Hattey, E.E. Gbur Jr., and W.J. Ross. 2004. Evaluation of Several Indices of Potentially Mineralizable Soil Nitrogen. *In Agronomy Abstracts*. (3748) ASA, Madison, WI.
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29. Roberts, T.L., and J.A. Hattey. 2002. Measurement of beef, poultry, and swine manure composition by near-infrared spectroscopy. *In Agronomy Abstracts* (A00-roberts161725-oral). ASA, Madison, WI.
30. Parham, J.A., S.P. Deng, and J.A. Hattey. 2001. Impact of animal manures on microbial populations and activities of enzymes involved in nitrogen transformation in soil. *In Agronomy Abstracts* (s03-parham145110-P). ASA, Madison, WI.
31. Roberts, T.L., J.A. Hattey, H. Zhang. 2001. Analyzing animal manure using near infrared spectroscopy. *In Agronomy Abstracts* (a00-roberts084730-O). ASA, Madison, WI.
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34. Zhang, H., N.T. Basta, J.A. Hattey, D.W. Hamilton, G.V. Johnson, M.D. Smolen, D.E. Storm, and K.E. Matlock. 2001. Nutrient management in Oklahoma. *In Agronomy Abstracts* (s06-zhang102609-P). ASA, Madison, WI.
35. Hattey, J.A., J.G. Warren, J.C. Turner, and J.W. Parton. 2000. Comparison of two micrometeorological mass balance methods to determine ammonia volatilization from swine effluent. *In Agronomy abstracts* pg 409. ASA, Madison, WI.
36. Wu, J., D.L. Nofziger, J.A. Hattey, and J.G. Warren. 2000. Modeling ammonia volatilization from surface-applied swine effluent. p. 203 *In Agronomy Abstracts*. ASA, Madison, WI.
37. Turner, J.C., J. Parton, W.E. Thomason, W.R. Raun, and J.A. Hattey. 2000. Soil Chemical properties as affected by long-term applications of animal manures on calcareous soils. p. 368 *In Agronomy Abstracts*. ASA, Madison, WI.
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39. Fuhrman, J.K., H. Zhang, N.T. Basta, and J.A. Hattey. 1999. Phosphorus sorption capacity as affected by soil properties. p. 344 *In Agronomy Abstracts*. ASA, Madison, WI.
40. Springer, T.L., C.M. Taliaferro and J.A. Hattey. 1999. Nitrogen effects on forage yield and quality of buffalograss. p. 103 *In Agronomy Abstracts*. ASA, Madison, WI.
41. Wright, D.G., J.A. Hattey, H.A. Zhang and N.T. Basta. 1999. Phosphorus fractionation of soils treated with swine effluent/sludge. p. 30 *In Agronomy Abstracts*. ASA, Madison, WI.
42. Zhang, H., and J.A. Hattey. 1999. Open vessel microwave digestion of organic waste samples. p. 317 *In Agronomy Abstracts*. ASA, Madison, WI.
43. Kochenower, R.D., J.A. Hattey N.T. Basta, and B.J. Carter. 1998. Degradation of hydrocarbons in soil by litter source. p. 4. *In Southern Branch Abstracts*. ASA, Madison, WI.
44. Springer, T.L., C.M. Taliaferro, W.R. Raun, J.A. Hattey, and H.A. Zhang, 1998. Effect of nitrogen fertilization on forage yield and growth of buffalograss. p. 9. *In Southern Branch Abstracts*. ASA, Madison, WI.
45. Zupancic, K.S., J.A. Hattey, G.V. Johnson, D. Hamilton, and H.A. Zhang. 1998. Ammonia volatilization from swine effluent in the Panhandle of Oklahoma. p. 340 *In Agronomy Abstracts*. ASA, Madison, WI.
46. Zhang, H.A., N.T. Basta, J.K. Fuhrman, and J.A. Hattey. 1998. Phosphorus sorption capacity of selected benchmark soils in Oklahoma. p. 340 *In Agronomy Abstracts*. ASA, Madison, WI.
47. Kochenower, R.D., and J.A. Hattey. 1997. Degradation of hydrocarbons in contaminated soil with poultry litter. p. 321 *In Agronomy Abstracts*. ASA, Madison, WI.
48. Hattey, J.A., G.V. Johnson, R.D. Kochenower, and K.S. Zupancic. 1997. Liming materials for acid soils. p. 4 *In Agronomy Abstracts*. ASA, Madison, WI.
49. O'Dell, A.W., and J.A. Hattey. 1996. Near infrared reflectance spectroscopy analysis of poultry and swine waste. p. 310. *In Agronomy Abstracts*. ASA, Madison, WI.
50. Hattey, J.A., C.W. Wood, W.L. Kingery, and M. Duqueza. 1995. Field mineralization of N and P from poultry waste. *In Southern Branch Abstracts*. ASA, Madison, WI. 22:7.
51. Duqueza, M.C., C.W. Wood, and J.A. Hattey. 1995. Nitrogen mineralization indices for poultry waste. *In Southern Branch Abstracts*. ASA, Madison, WI. 22:11.
52. Hattey, J.A., C.W. Wood, M. Duqueza, and W.L. Kingery. 1995. Mineralization of N and P from a variety of poultry waste of the Southeast United States. *Animal Waste and the Land-Water Interface Conference*. p. 8-9. 16-19 July 1995. Fayetteville, AR.

53. Lee, W.J., C.W. Wood, and J.A. Hattey. 1995. Nitrogen availability from land applied poultry litter. p. 256. *In Agronomy Abstracts*. ASA, Madison, WI.
54. Hattey, J.A., and W.E. Sabbe. 1994. Organic phosphorus in reoxidizing soils. *In Southern Branch Abstracts*. ASA, Madison, WI. 21:13.
55. Wood, C.W., J.A. Hattey, and G. Mills. 1994. Flux and degradation of soil-injected methyl bromide. p. 59 *In Agronomy Abstracts*. ASA, Madison, WI.
56. Mitchell, C.C., J.A. Hattey, C.H. Burmester, and C.W. Wood. 1994. Poultry litter as a source of N for cotton. p. 320 *In Agronomy Abstracts*. ASA, Madison, WI.
57. Hattey, J.A., J.B. Dixon, G.N. White and W.E. Sabbe. 1994. Iron oxide formation as measured by differential x-ray diffraction in reoxidizing rice soils, p. 410 *In Agronomy Abstracts*. ASA, Madison, WI.
58. Hattey, J.A., and W.E. Sabbe. 1993. Non-destructive determination of nitrogen in cotton leaves by near infrared spectroscopy. *In Southern Branch Abstracts*. ASA, Madison, WI. 20:12.
59. Hattey, J.A., and W.E. Sabbe. 1993. Comparison of phosphorus fractionation methods for cyclic reduced-oxidized soils. *In Southern Branch Abstracts*. ASA, Madison, WI. 20-7.
60. Hattey, J.A., and W.E. Sabbe. 1993. Phosphorus fractionation of reoxidizing soils. p. 280. *In Agronomy Abstracts*. ASA, Madison, WI.
61. Hattey, J.A., E.P. Mersiovsky, and W.E. Sabbe. 1992. Determination of carbon and nitrogen for soils by infrared spectroscopy. p. 280. *In Agronomy Abstracts*. ASA, Madison, WI.
62. Dunham, S.C., J.A. Hattey, and W.E. Sabbe. 1992. Phosphorus extraction of acid soils as affected by phosphorus fertilizer source. p. 276. *In Agronomy Abstracts*. ASA, Madison, WI.
63. Hattey, J.A., and W.E. Sabbe. 1991. Uptake and distribution of ¹⁵N-labeled urea fertilizer in soybean as affected by application method at various growth stages. p. 289. *In Agronomy Abstracts*. ASA, Madison, WI.
64. Sabbe, W.E., and J.A. Hattey. 1990. Dry matter measurements of wheat using a hand held portable probe. p. 279. *In Agronomy Abstracts*. ASA, Madison, WI.
65. Sabbe, W.E., and J.A. Hattey. 1988. Evaluation of wheat fertilizer recommendations for Arkansas. p. 248. *In Agronomy Abstracts*. ASA, Madison, WI.
66. Hattey, J.A., and W.E. Sabbe. 1987. Chemical measurement of nitrogen mineralization in Arkansas soils. p. 204. *In Agronomy Abstracts*. ASA, Madison, WI.

Popular Press Articles or Interviews

1. New partnership planned with Beck's Hybrids: Goal is to 'put students first'. Interview. Sept. 2012. CFAES Monthly (accessed 5 November 2012: http://cfaesmonthly.cfaes.ohio-state.edu/archives/september-2012/news/copy4_of_visit-to-becks-hybrids-1)
2. Talking Students With Assistant Dean Jeff Hattey. Interview. October 7, 2011. Brownfield Ag News. (accessed 5 November 2012: <http://brownfieldagnews.com/2011/10/07/talking-students-with-assistant-dean-jeff-hattey/>)
3. Reflections on Sierra Leone. Interview. October 2, 2011. Oklahoma Horizon. (accessed 5 November 2012: <http://www.okhorizon.com/shows/2011-show-archive/october-2011-show-archive/show-1140/value-added-jeff-hattey-and-mike-dicks-interview-on-sierra-leone>)
4. OSU offers internships in Brazil through exchange program. Interview. 11 March 2011. High Plains Journal online. (accessed 5 November 2012 <http://www.hpj.com/archives/2011/mar11/mar21/0309OSUOffersInternshipstoS.cfm>)

5. Applying Swine Effluent as Fertilizer. Interview. October, 23. 2009. SUNUP TV. (accessed 5 November 2012: <http://www.youtube.com/watch?v=IkIEVZA5bqw&feature=relmfu>)
6. Swine Effluent as Natural Fertilizer Alternative. Interview. October, 23. 2009. SUNUP TV. (accessed 5 November 2012: <http://www.youtube.com/watch?v=TZ6e7v6A1IA>)

Presentations

Total Presentations and Workshops = 109

Invited Presentations

1. **Invited Workshop. Competent, Challenge and Care**, Celebration of Teaching. College of Agriculture, Purdue University. September 28, 2017, West Lafayette, IN.
2. **Invited Blue Ribbon Speaker** 2017 NACTA Conference, Purdue University. June 30, 2017, West Lafayette, IN.
3. **Invited presenter** at the 2010 NACTA Conference as part of the North Central, Northeast, and Southern regions of the Academic Program Sections of the Association of Public and Land-Grant Universities (APLU) to host a mentoring workshop on *Celebrate-Teaching Excellence*. The workshop provides a forum for USDA/CSREES Higher Education Teaching Award recipients to interact with early career teachers.
4. Hattey, J.A., G. Wilber, and M. Bayles, Oklahoma State University. 2009. **Invited speaker**. Embedded Assessment as a Method to Improve Learning in Higher Education. Symposium-- Innovations and Applications in Assessment. American Society of Agronomy. 3 November 2009. Pittsburg, PA.
5. Hattey, J.A. 2009. Outcomes Assessment: Improving Student Learning or Interrupting Scholarly Activity. **Invited Workshop**. Abilene Christian University, Department of Agriculture. 6 February 2009. Abilene, TX.
6. Importance of Physical properties of Soils. **Invited lecturer** Abilene Christian University, Agricultural and Environmental Sciences Department. Introduction to Soil Science. Hosted by Dr. Michael Nicodemus. 6 February 2009. Abilene, TX.
7. Hattey, J.A. 2008. **Invited Speaker**. "Academic Integrity-Truth or Consequences". Oklahoma State University, Agriculture Orientation (Ag 1011). Seven sections of a required course for all incoming freshman students in CASNR. 24-25 September 2008. Stillwater, OK.
8. Hattey, J.A. 2008. **Keynote Speaker for 2008 Ag-in-the-Classroom Summer Workshop**. 2 June 2008, Stillwater, OK.
9. **Invited Speaker** at Noble Foundation to Ag-Venture students. 2 June 2008. Ardmore, OK.
10. Hattey, J.A. 2007. **Invited Speaker and Environmental Sciences subject matter expert**. Ag-in-the-Classroom 7th-8th Grade Classroom writing conference. 24 October 2007, Stillwater, OK.
11. Hattey, J.A. 2007. **Invited Speaker**. "Academic Integrity-Truth or Consequences". Oklahoma State University, Agriculture Orientation (Ag 1011). Seven sections of a required course for all incoming freshman students in CASNR. 19-26 September 2007. Stillwater, OK.
12. Hattey, J.A. 2007. Outcomes Assessment: Improving Student Learning or Interrupting Scholarly Activity. **Invited Workshop**. University of Kentucky, College of Agriculture. 15 August 2007. Lexington, KY, [http://www.ca.uky.edu/students/college_faculty/workshops/workshopAug07.htm verified 9 November 2007]
13. Hattey, J.A. 2007. What is Drought and Preparing for Drought? **Invited Speaker**. Ag-in-the-Classroom 7th-8th Grade Curriculum Conference. 1 August 2007. Norman-Moore, OK.
14. Hattey, J.A. 2007. **Invited Speaker**. Agriculture and the Environment in Burundi. Stillwater Middle School Geography Students. 19 April 2007. Stillwater, OK.

15. Hattey, J.A. 2006. **Invited Speaker**. "Academic Integrity-Truth or Consequences". Oklahoma State University, Agriculture Orientation (Ag 1011). Seven sections of a required course for all incoming freshman students in CASNR. 18-21 September 2006. Stillwater, OK.
16. Hattey, J.A. Developing and Evaluating Critical Thinking. **Invited Speaker**. Oklahoma Center for School Business Management. 28 April 2005. Stillwater, OK.
17. Hattey, J.A. 2006. Soil Erosion: Can You Stop It? **Invited Speaker** AG Expo and Agricultural Retailers Association annual conference. 9 November, 2006. Oklahoma City, OK.
18. **Invited Speaker** to Upward Bound participants at Southeastern Oklahoma University. 27 June 2006. Durant OK
19. **Invited Speaker** at Noble Foundation to Ag-Venture students. 15 June 2006. Ardmore, OK.
20. **Invited Speaker** at Noble Foundation to Ag-Venture students. 14 June 2005. Ardmore, OK.
21. **Invited Speaker** at Fall Convocation. 1999. Graduation comments to Graduates of the College of Agricultural Sciences and Natural Resources, Oklahoma State University 18 December 1999. Stillwater, OK.
22. Maximum Economic Yield for Conservation Tillage. **Invited lecturer** Kansas State University Soil Conservation and Management (Agronomy 635) course. Hosted by Dr. Hons Kok. 18 November, 1997. Manhattan, KS.

Educational

1. Hattey, J., K. Murray and P. Heimberger. 2016. Focus on the Mentor: Designing a Peer Mentor Program for Student Development. IUPUI National Mentoring Symposium. Indiana University–Purdue University Indianapolis. 1 October 2016. Indianapolis, IN.
2. E. Buck and J. Hattey. 2013. Teaching the Unknown Through Flipped Classroom Techniques. NACTA. North American Colleges and Teachers of Agriculture. 27 June 2013. Blacksburg, VA.
3. Developing Student "Soft Skills" for Success. Hattey, J.A., Dantuono, S. and Tolchin, B. The Ohio State University, Academic Advising Conference Feb 22, 2012.
4. Guerra, S., O. Saab, R.K. Bacon, J. Stiegler and J.A. Hattey. 2010. Educational and Cultural Impacts of a Student Exchange Program to Study Bioenergy Production and Precision Agriculture. American Society of Agronomy. 1 November 2010. Long Beach, CA.
5. Damron, R.L., and J.A. Hattey. 2010. Critical Thinking Workshop. Oklahoma State University. Develop a faculty group with a focus of improving critical thinking skills in the classroom through journal writing.
6. Hattey, J. A. 2009. Writing Questions and Assignments for Student Critical Thinking Skills. Fall 2009 Faculty Development Workshops for OSU's Institute for Teaching and Learning Excellence (ITLE). [http://itle.okstate.edu/index.php?option=com_content&task=view&id=179&Itemid=195]. Verified 3 December 2009]. 2 December 2009. Oklahoma State University, Stillwater, OK
7. Bayles, J. Hattey, S. Lancaster. 2009. Assessing Oral Communication Skills with Videotaped Student Presentations. . Symposium--Innovations and Applications in Assessment. American Society of Agronomy. 3 November 2009. Pittsburg, PA.
8. Oklahoma Ag-in-the-Classroom Summer Conference. Importance of Soil Science in Natural Resource instruction. Training session for elementary education teachers in Oklahoma. 31 July 2009. Moore, OK.
9. Hattey, J.A. 2009. Presented teaching techniques and information in Soil Science Education to Agricultural Education Student Teachers. 3 February 2009. Oklahoma State University, Stillwater, OK.
10. Hattey, J.A. 2008. Presented teaching techniques and information in Soil Science Education to Agricultural Education Student Teachers. 21 August 2008.

11. Hattey, J.A. 2008. Presented to the Agricultural Education Academy, Preparing to teach. Stillwater, OK. 19 June 2008.
12. Hattey, J.A., J. Lofton, and B. Chung. 2007. Led Soil Erosion Workshop. Cascia Hall School. 9 November 2007. Stillwater, OK.
13. Hattey, J.A., and P. Bowers. 2007. Impacting Student Learning Through Authentic Assessment at the Institution Level. 5 November 2007. ASA-CSSA-SSSA an educational symposium at annual meeting in New Orleans, LA.
14. Led Small Group Session of AG 1011 (Orientation). 18 September 2007. Stillwater, OK.
15. Hattey, J.A., G.G. Wilber, and J.H. Ledford. 2006. Connecting across the curriculum via critical thinking. North American Colleges and Teachers of Agriculture. Vancouver, British Columbia, CA. 10 June 2006.
16. Bellmer, D., and J.A. Hattey. Outcomes/Program Assessment. CASNR Brown Bag Teaching Discussion. 6 April 2006. Stillwater, OK.
17. Hattey, J.A. Affecting Writing in a College of Agriculture and Natural Resources via University General Education: A Faculty Perspective. North American Colleges and Teachers of Agriculture. 17 June 2005. Wooster, OH.
18. Wilber, G.G. and J.A. Hattey, 2005. General Education Assessment: Critical Thinking Skills. OSU Professional Development Workshop. February 10, 2005. Stillwater, OK.
19. Hattey, J.A., J.M. Shaver, S.D. Fuhlendorf, D.D. Redfearn, and K.E. Dashiell. 2004. Hierarchy Theory: Developing A Systems-based Departmental Curriculum. ASA-CSSA-SSSA educational symposium at annual meeting in.
20. Wilber, G.G. and J.A. Hattey. 2004. "Developing and Assessing Critical Thinking. Professional Development Workshop, Oklahoma State University. 30September 2004. Stillwater, OK.
21. OSU representative at the Gamma Sigma Delta International Conclave. June 28-29, 2004, Fayetteville, AR.
22. Attend the North American Colleges and Teachers of Agriculture. 17 June 2003. San Luis Obispo, CA.
23. Oklahoma Ag-in-the-Classroom. How to make a soil. Training session for science teachers in Oklahoma. 8 August, 2002. Stillwater, OK.
24. Oklahoma Ag-in-the-Classroom. How to make a soil. Training session for science teachers in Oklahoma. 18 June, 1999. Stillwater, OK.
25. Hattey, J.A., and H. Kok. 1998. Soil Conservation: Laboratories crossing the borders. ASA-CSSA-SSSA meeting Baltimore, MD.
26. Land judging workshop at Oklahoma 4-H Roundup. 29 May, 1998. Stillwater, OK.
27. Oklahoma Ag-in-the-Classroom. How to make a soil. Workshop for Oklahoma science teachers. 18 June, 1998. Stillwater, OK.
28. Hattey, J.A., G.V. Johnson, R.D. Kochenower, and K.S. Zupancic. 1997. Liming materials for acid soils. ASA-CSSA-SSSA meeting Anaheim, CA.
29. Raun W.R., M. Stone, J. Solie, and J.A. Hattey. Applied Science and Engineering for the 21st Century. Precision Agriculture, Global Positioning, Geographical Information System - Technology for feeding the world. .
30. Oklahoma Ag-in-the-Classroom. How to make a soil. Workshop for Oklahoma science teachers. 17 June 1997.
31. Oklahoma State Regents of Higher Education. Multimedia in the Classroom. 3 April 1997. Stillwater OK.

32. Workshop: Learn About the Land for Oklahoma 4-H Roundup. 25 May, 1997
33. Oklahoma City Community College Board of Regents. Multimedia in the Classroom. 31 January 1997. Stillwater OK.
34. Hattey, J.A., and G.V. Johnson. 1996. Simple laboratory experiment for soil respiration and N mineralization/immobilization. ASA-CSSA-SSSA meeting Indianapolis, IN.
35. Guertal, E.A., and J.A. Hattey. 1996. Incorporating the Internet into undergraduate education. ASA-CSSA-SSSA meeting Indianapolis, IN.
36. Agriculture Associates (Division of Agricultural Sciences and Natural Resources): Multimedia in the Classroom. 22 March 1996, Stillwater, OK.
37. Soil Science training workshop for college soil science instructors throughout the state of Oklahoma. Stillwater, OK. 21-22 May 1996.
38. Oklahoma Ag-in-the-Classroom. How to make a soil. Training session for science teacher throughout Oklahoma. 24 June 1996.
39. Hattey, J.A., and E.A. Guertal. 1995. Classroom model of cation exchange capacity. ASA-CSSA-SSSA meeting St. Louis, MO.

Research

1. Hattey, J.A., J.C. Turner and J.G. Warren. 3 March 2010. Effect of Long-Term Application of Swine Effluent and Beef Manure on Soil Nutrient Supply in a Calcareous Soil. Great Plains Fertility Conference. Denver, CO.
2. Wu, J., J.G. Warren, J.A. Hattey and D.L. Nofziger. 7 May 2002. Development of a mechanistic model to evaluate ammonia volatilization of swine effluent following land application. American Water Works. Arlington, VA.
3. Hattey, J.A., S. Deng, S. Carter, and A. Stoecker. 7 May 2002. Animal Waste Management in Semiarid Agroecosystems. American Water Works Arlington, VA.
4. Hattey, J.A., J.G. Warren, J.C. Turner, J.J. Patton. 5 March 2002. Ammonia volatilization from swine effluent applied to cropping systems on a calcareous soil. Great Plains Fertility Conference Denver, CO.
5. Hattey, J.A., J.G. Warren, J.C. Turner, and J.W. Parton. 4 October 2001. Feasibility of acidifying swine effluent to reduce NH₃ volatilization. Addressing animal production and environmental issues. Research Triangle Park, North Carolina.
6. Hattey, J.A., J.G. Warren and K.S. Zupancic. 13 June 2000. Ammonia volatilization from swine effluent in the southern high plains. Southern Pasture and Forage Crop Improvement Conference. Raleigh, North Carolina.
7. Assessing ammonia emissions from swine lagoons and effluent application. 21 July 1998. Report to Multi-State Consortium on Animal Waste at Animal Production Systems and the Environment: An International Conference on Odor, Water Quality, Nutrient Management and Socioeconomic Issues.
8. O'Dell, A.W., and J.A. Hattey. 1996. Near infrared reflectance spectroscopy analysis of poultry and swine waste. ASA-CSSA-SSSA meeting Indianapolis, IN.
9. Hattey, J.A., C.W. Wood, W.L. Kingery, and M. Duqueza. 1995. Field mineralization of N and P from poultry waste. Southern Branch Meetings of ASA, New Orleans, LA.
10. Hattey, J.A., C.W. Wood, M. Duqueza, and W.L. Kingery. 1995. Mineralization of N and P from a variety of poultry waste of the Southeast United States. Animal Waste and the Land-Water Interface Conference. 16-18 July 1995, Fayetteville, AR.
11. Lee, W.J., C.W. Wood, and J.A. Hattey. 1995. Nitrogen availability from land applied poultry litter. ASA-CSSA-SSSA meeting St. Louis, MO.

12. Hattey, J.A., and W.E. Sabbe. 1994. Organic phosphorus in reoxidizing soils. Southern Branch Meetings of ASA, Nashville, TN.
13. Wood, C.W., J.A. Hattey, and G. Mills. 1994. Flux and degradation of soil-injected methyl bromide. ASA-CSSA-SSSA meeting Cincinnati, OH.
14. Hattey, J.A., J.B. Dixon, G.N. White and W.E. Sabbe. 1994. Iron oxide formation as measured by differential X-Ray diffraction in reoxidizing rice soils. ASA-CSSA-SSSA meeting Cincinnati, OH.
15. Hattey, J.A., and W.E. Sabbe. 1993. Non-destructive determination of nitrogen in cotton leaves by near infrared spectroscopy. Southern Branch meeting of ASA. Tulsa, OK.
16. Hattey, J.A., and W.E. Sabbe. 1993. Comparison of phosphorus fractionation methods for cyclic reduced-oxidized soils. Southern Branch meeting of ASA. Tulsa, OK.
17. Hattey, J.A., and W.E. Sabbe. 1993. Phosphorus fractionation of reoxidizing soils. ASA-CSSA-SSSA meeting. Cincinnati, OH.

Extension/Outreach

1. Hattey, J.A., E.A. Dayton. S. Whitacre. 2018. On-Field Ohio: A Modified P-Index. Ohio Farmers Grain Symposium. Nationwide & Ohio Farm Bureau 4-H Center. 22 October 2018. 38 participants.
2. Hattey, J.A., E.A. Dayton. S. Whitacre. 2018. On-Field Ohio: A Modified P-Index. Ag/NR Extension Community Educator Training. Columbus Ohio, Zoom Meeting. 22 October 2018. 22 participants.
3. Hattey, J.A. 2018. On-Field Ohio: A Modified P-Index. Agronomy College, Ohio AgriBusiness Association. Molly Caren Agricultural Center, Ohio 38, London, OH. 18 September 2018. 15 participants.
4. Hattey, J.A. 2018. On-Field Ohio: A Modified P-Index. Farm Science Review, Molly Caren Agricultural Center, Ohio 38, London, OH. 11 September 2018. 35 participants.
5. Hattey, J.A. 2018. On-Field Ohio: A Modified P-Index. No-Till Field Day, OARDC, Wooster, OH. 29 August 2018. 130 participants.
6. Hattey, J.A. 2018. On-Field Ohio: A Modified P-Index. SW Ohio Corn & Wheat Day, 2770 Old Route 38 NE, Washington Court House, Ohio 43160. 14 August 2018. 165 participants.
7. Hattey, J.A. 2018 Soils Introduction. Stark County Master Gardener Program training session. 13 Feb. 2018 7 participants.
8. Hattey, J.A. 2018. Reclamation of Disturbed Pipeline Soils. Northern Ohio Crops Day. Sandusky Co. 8 Feb. 2018. 75 participants.
9. Hattey, J.A. 2011. Be Careful with My Dirt Soil. Stillwater Kiwanis, 15 February 2011, Stillwater, OK.
10. Hattey, J.A. 2010. Integrating Animal Waste into No-Till Rotations. Certified Crop Adviser Training Session. 2 September 2010. Oklahoma Panhandle Research and Extension Center, Goodwell, OK.
11. Hattey, J.A. 2009. P Removal & Movement from Animal Waste in Panhandle Production Systems. Certified Crop Adviser Training Session. 12 March 2009. Oklahoma Panhandle Research and Extension Center, Goodwell, OK.
12. Zhang, H and J.A. Hattey. Soil Erosion Demonstration with Rainfall Simulator. 22 June 2006. Eakly, OK
13. Zhang, H. and J.A. Hattey. Rainfall Simulator. North Central Oklahoma Research Station Wheat Tour. 19 May 2006. Lahoma, OK.
14. Certified Crop Adviser Training Session: Basics of Soil Erosion. 4 January 2006. Stillwater OK.

15. Lead a training session for National Pork Board, Professional Managers Conference "An update of research at the new OSU SREC and OPREC". 10 November 2005. Guymon, OK
16. Taught Certified Crop Adviser Training: Animal Waste Management in Semiarid Agroecosystems. 10 March 2005. Oklahoma Panhandle Research and Extension Center, Goodwell, OK.
17. Interviewed for Oklahoma Horizons, Soils of Oklahoma, protecting our soil resources. [<http://www.okhorizon.com/2005/Show0502/SoilsOfOklahoma.html>]
18. Taught Certified Crop Adviser Training Session: Basics of Soil Erosion. 6 January 2005. Stillwater OK.
19. Taught Certified Crop Adviser Training Session: Basics of Soil Erosion. 7 January 2003. Stillwater OK.
20. Livestock Waste Management in Oklahoma. Oklahoma State University, Division of Agricultural Sciences and Natural Resources Research and Technology. SUNUP television interview. 19 November 2002.
21. Taught Certified Crop Adviser Training Session: Advanced session for Soil Erosion. 4 January 2002. Stillwater OK.
22. Taught Certified Crop Adviser Training Session: Basics of Soil Erosion. 3 January 2002. Stillwater OK.
23. Taught Certified Crop Adviser Training Session: Basics of Soil Erosion. 6 January 2001. Stillwater OK.
24. Taught Certified Crop Adviser Training Session: Basics of Soil Erosion. 6 January 2000. Stillwater OK.
25. Land application of animal waste. 29 January 1999. Environmental Awareness Conference and Training. Producers and associates of Seaboard Farms.
26. Agronomic uses of animal waste on cropland. 2 March 1999. *In* Springer T.L., et. al. (eds). High Plains Animal Waste Conference.
27. Taught Certified Crop Adviser Training Session: Basics of Soil Erosion. 6 January 1999. Stillwater OK.
28. Taught Certified Crop Adviser Training Session: Advanced Soil Fertility. 6 January 1999. Stillwater OK.
29. Taught Certified Crop Adviser Training Session: Basics of Soil Erosion. 7 January 1998. Stillwater OK.
30. Land Application of Livestock Waste, Oklahoma Water Resources Association. Oklahoma State University, Division of Agricultural Sciences and Natural Resources Research and Technology Related to Livestock Waste Management. Special Session. 3 March 1998. Stillwater, OK.
31. Land application of animal waste. In-service training for research station superintendents. Department of Plant and Soil Sciences. 4 March 1998. Stillwater, OK.
32. Land Application of Livestock Waste. Oklahoma State University, Division of Agricultural Sciences and Natural Resources Research and Technology. SUNUP television interview. 1 April 1998.
33. Land application of animal waste. Oklahoma State University, Division of Agricultural Sciences and Natural Resources Research and Technology. To the Deans Advisory Committee. 10 April, 1998.
34. Land Application of Livestock Waste. Oklahoma Panhandle Research and Extension Center. Panhandle Wheat Tour. 27 May 1998. Goodwell, OK.

35. Land Application of Livestock Waste, Land application of animal waste. Oklahoma State University, Division of Agricultural Sciences and Natural Resources Research and Technology. SUNUP television interview. 5 August, 1998. Stillwater, OK.
36. Land application of animal waste. Oklahoma Panhandle Research and Extension Center., 17 September 1998. Goodwell, OK.
37. Taught Certified Crop Adviser Training Session: Basics of Soil Erosion. 8 Jan. 1997. Stillwater OK.
38. Lead Animal Waste Management training session for Cimarron Cattle Feeders management and staff. 21 January 1997. Keys, Oklahoma.
39. Sustainable Agriculture Hands-on Workshop. Residue management in Great Plains. 20 August, 1997. Tyrone, OK.
40. Oklahoma Agribusiness Expo. Irrigation: Impacts on soil erosion. 21 October 1996. Oklahoma City.
41. Swine Waste Treatment: Odors, Energy and Economics Workshop. 19 March 1996. Wetumka, OK.
42. Certified Crop Adviser Training Session: Basics of Soil Erosion. 3 January 1996. Stillwater, OK.

Professional Service

National and International

1. American Society of Agronomy (ASA)

- Appointed to A213 Community Stewardship and Review Committee 2013-2014.
- Appointed to Frank D. Keim Graduate Fellowship Committee Chair, 2011
- Served on Board of Directors. 1 Jan. 2012-31 Dec. 2014
- Elected as Education and Extension Section – Board Rep. 1 Jan. 2012 - 31 Dec. 2014
- Appointed to National Student Awards Committee, 2011
- Facilitate Resident Education Discussion at 2010 national meeting. 1 Nov. 2010
- Appointed to Frank D. Keim Graduate Fellowship Committee Member, 2010-2011
- Cross Cultural Experience Program Scholarship Committee, Member, 2010
- Nominations Committee for Div. A-1 Officers, Member, 2004
- Journal of Natural Resources Life Sciences Education. Associate Editor. 2004-2005
- Organize symposium: Outcomes Assessment and the Impact on the Classroom. 2003 National meeting, Denver, CO
- Resident Education, Division A-1 Past Chair, 2002
- Nominations for President-Elect committee, Past Chair, Div. A-1, 2002
- Nominations Committee for Div A-1 Officers, Chair, 2002
- Resident Education, Division A-1 Chair, 2001
- Program Planning Committee, Chair, Div. A-1, 2001
- Resident Education, Division A-1 Chair Elect, 2000
- K-16 Education Committee member, (A011.01.01). 2000
- Membership Committee (ACS233) State Chair. 1997-2001
- Session Chair 1995, 1997, 1998, 2001, 2003
- Judge Undergraduate Speech/Poster Contest, 1995, 1997, 1998, 2000, 2001, 2002, 2003, 2006

2. Council of Environmental Deans and Directors (CEDD)

- Oklahoma State Representative to Council. 13-15 July, 2006. Chaska, MN.
- Oklahoma State representative to Council. 27-28 January 2006. Washington, D.C.

- Oklahoma State Representative to Council. Summer meeting. Dolce Hayes Mansion, San Jose, CA. 13-15 July, 2005.
- 3. National Council on Science and the Environment (NCSE)**
- Topic Editor (Soils) for Encyclopedia of Earth (2006 to 2008)
- 4. North America Colleges and Teachers of Agriculture (NACTA)**
- Director NACTA Foundation (2016-2019)
 - Journal Awards Committee (2015-2017)
 - Past-President (2014-2015)
 - President (2013-2014)
 - President-Elect (2012-2013)
 - Elected Southern Regional Chair-elect (2009)
 - Southern Regional Chair (2010-2012).
 - **Conference Program and Host Site Committee 2009-chair.**
Responsible for:
 - recommending to the Executive Committee a program and theme for the annual conference at the host institution;
 - establishing a conference web page,
 - coordinating conference activities;
 - hosting the conference;
 - providing a post-conference report including an evaluation and financial summary to the Executive Committee via a copy sent to the Secretary/Treasurer.
- Conference Firsts:**
- Record attendance of 314 participants, an increase of 25% over the highest previous attendance;
 - Created a session to highlight USDA Teaching Award recipients in a small group mentoring session. Four award winners and 40 participants.
 - Hosted administrative committee meetings and conference sessions for CAPICU, AASCAR and APLU-APS meeting.
- Conference Results:**
- Coordinated first national meeting which brought together; American Association of State Colleges of Agriculture and Renewable Resources (AASCARR), Association of Public and Land-grant Universities (A·P·L·U), and Consortium of Agriculture Programs at Independent Colleges and Universities (CAPICU), the three leading national organizations which coordinate educational activities colleges and universities of agricultural in the United States.
 - Enhanced visibility of grant recipients of the Higher Education Challenge Grants from USDA-CSREES-SERD.
 - Brought together presenters from 90 universities or agencies;
 - Coordinated four workshops;
 - Coordinated four conference tours with 200 participants;
- Attended NACTA executive committee. 5 November 2010. Minneapolis, MN.
 - Ad-Hoc Committee member on NACTA awards modifications, 2009-2010.
 - Attended NACTA executive committee. 29-30 October 2009. Pittsburgh, PA.
 - Hosted NACTA executive committee. 13-14 November 2008. Oklahoma City, OK.
 - Attended NACTA executive committee. 17 November 2007. Salt Lake City, UT.
 - Ad-Hoc Committee on strategic visioning (2006-2007)
 - Mills, F., R. Rudd and J.A. Hattey. 2006. Co-direct strategic planning session for NACTA executive committee. 18 November 2006. Indianapolis, IN.
 - Book review committee, Chair (2005-2009)
 - Editorial committee (2003-2006)
 - Reviewer (2001-2007)
- 5. Soil Science Society of America (SSSA)**
- Council of Soil Science Examiners (S582), Past-Chair, 1 Aug. 2011-31 Dec. 2013

- Soils Certification Board, (S584), 1 Jan. 2012-31 Dec. 2013
- National Student Advisory Committee member (ACS 031), 2009-2011
 - Advisor for National Quiz Bowl Competition
- Council of Soil Science Examiners representative on ad hoc committee for establishing performance objectives for release December, 2009. 18-19 December 2008. Chicago, IL
- Emerging Issues in Soil Science Committee, committee member (S585), 2007-2010
- Council of Soil Science Examiners (S582), Chair, 2009-2011
- Ad-hoc committee to prepare Performance Objectives for fundamental and professional exams for the Council of Soil Science Examiners. 17-18 December, 2008, Chicago, IL.
- Council of Soil Science Examiners (S582), Vice-Chair 2007-2009
- Council of Soil Science Examiners (S582), committee member 2004-2007,
 - Participate writing national exam
 - 17-18 June 2010, Madison, WI
 - 29-30 July 2009, Chicago, IL.
 - 16-18 July 2008, Washington, D.C.
 - 27-28 July 2007, Chicago, IL.
 - 27-29 July 2006, Madison, WI.
 - 28-30 July 2005, Madison, WI.
 - 14-17 July 2004, Lexington, KY.

6. Reviewer

- Agronomy Journal
- Journal Natural Sciences and Life Sciences Education
- Journal of Production Agriculture
- Journal of Environmental Quality
- NACTA Journal
- Soil Science
- Soil and Tillage Research
- Soil Science Society of America Journal
- USDA-CSREES "Small Business Innovation Research (SBIR)

Regional

1. External Review Team Member for Agricultural and Environmental Sciences Department, Abilene Christian University (2009-2011)
2. Oklahoma representative NCR-189 committee "Air quality issues associated with animal facilities". (1996-present)
3. Session chair 1995, 1998 Southern Branch Meetings of American Society of Agronomy at the Southern Association of Agricultural Scientists.
4. Arkansas representative (non-voting) NCR-174 Synchrotron X-Ray Sources in Soil Science Research.
5. Arkansas representative (non-voting) Southern Mineralogy Project S-207 Southern Regional Technical Committee.

State of Oklahoma

1. Oklahoma Department of Agriculture, Food, and Forestry; Swine Feeding Operations Rule Advisory Committee (2009-2012)
2. Oklahoma Association of Conservation Districts, Judge State speech Contest (2006)
3. Review team for Western Oklahoma State College (1998)

The Ohio State University

1. Sophomore Transformational Experience Program (STEP), STEP Expo reviewer (2017, 2018)
2. Edward F. Hayes Graduate Research Forum, Judge (2013, 2018, 2019)
3. Richard J. And Martha D. Denman Undergraduate Research Forum. CFAES Representative Steering Committee (2012-2016), Judge student posters (2014 – 2018)

4. The Ohio Louis Stokes Alliance for Minority Participation (LSAMP) Alliance, CFAES Representative to recruit and retain under-represented students in STEM disciplines.
5. OnCourse Implementation Team to improve Student Retention and Success, CFAES Representative, Chair Workflow, 2015-2017
6. OSU Campus Campaign Council: University Co-Chair 2016-2017, CFAES representative 2014 – 2017.
7. Buckeye Book Community selection committee, CFAES Representative, 2013-2017
8. Committee on Undergraduate Advising, CFAES Representative, 2013-2017
9. College Advisory Committee, CFAES Representative, 2013-2017
10. Office of Distance Education and eLearning, State Authorization, CFAES Representative, 2011-2015
11. First Year Transitions and Migration Team, CFAES Representative, 2013-2015.

College of Food, Agricultural, and Environmental Sciences, The Ohio State University

- 1) Meet with CFAES Learning Community
- 2) Water Quality Initiative, Lake Erie HABs Science Working Group 2018. Member.
- 3) OARDC Graduate Student Poster Competition, 2018 Judge Student abstracts.
- 4) CFAES Undergraduate Research Forum, oversee annual completion. (2013-2016)
- 5) First-Year Success for New First Year Students (NFYS) and Transfer-Transition Students
 - a) CFAES Peer Mentor Program (2012-2017)
 - i) Develop program, supervise over 40 students and graduate student advisor per year
 - ii) Develop and implement peer mentor leadership training
 - b) Compile, review and summarize student success data for NFYS, Transfer, and Transition students.
- 6) Ag*Idea Distance Education: Implement OSU acceptance and approval in Ag*Idea consortium.
- 7) Master in Plant Health Management Online: Implement Professional Master Degree program Ohio State through OAA and Ohio Regents approval. 2012-2014.
- 8) Agriculture and Extension Education M.S. Online Degree program: Implement first 100% online M.S. degree program at Ohio State through OAA and Ohio Regents approval. 2011-2013.
- 9) OSU Fee Proposals: oversee submission, approval and implementation for CFAES student and course fee requests. 2011-2016.
- 10) Distance Education classroom space, oversee renovation for video conference classrooms in Columbus and Wooster campuses. 2011-2012.
- 11) CFAES Banquet Committee, Co-Advisor 2011-2013.

School of Environment and Natural Resources, The Ohio State University

1. Honors and Recognition ad hoc committee 2019.
2. ENRGP Fellowship Committee 2019
3. USDA-ARS Research Soil Science search committee 2018.
4. Soil Science Specialization Member 2018
5. Soy Smarts: Soil Erosion Presentation for Bioproducts Innovation Center to middle school students. 20 June 2018, Don Scott Airport, Columbus OH
6. Soil Science Career Visit - Orange Middle School. 6 Apr. 2018. 85 participants.

Oklahoma State University

1. Associate Vice President, International Studies and Outreach (ISO), Oklahoma State University, Search and Screen Committee (2010-2011)

2. Critical Thinking Study Group, 2010 – present
3. Serve as oral presentation judge for GPSGA and Graduate College Research Week (2009)
4. General Education, Mid-level, Critical Thinking Assessment review team (2005-2009)
5. Sustainability Task Force, (2007-present)
6. Environmental Science- Graduate Steering Committee (2005- present)
7. Environmental Science Awards Committee (2005-present)
8. The Higher Learning Commission (HLC) of the North Central Association (NCA) re-accreditation Self Study Team. Member (2003-2005).
9. General Education Assessment Task-Force, member, Chair 2003, 2004, (2000-2005)
10. General Education Advisory Council, member (1999-2005)
11. Committee for Consideration of Exclusive Soft-drink Contract (1998)
12. Review committee for professional development proposals for training faculty in distance education and multimedia. (1996)

College of Agricultural Sciences and Natural Resources, Oklahoma State University

1. Represent Oklahoma State University-CASNR, 2009 NACTA Conference Host & Planning committee. 14 November 2008. Stillwater, OK
2. Hosted NACTA executive committee. 13 November 2008. Oklahoma City, OK.
3. Represent Oklahoma State University-CASNR, 2009 NACTA Conference Host & Planning committee. 17 November 2007. Salt Lake City, UT.
4. Assistant Dean, College of Agricultural Sciences and Natural Resources, Search and Screen Committee (2007-2008)
5. CASNR Task Force on Student Recruitment (2006)
6. Search & screen committee Student Development (2005)
7. Search & screen committee Prospective Student positions (2005)
8. Search & screen committee Agricultural Education Teaching Position (2001)
9. CASNR Effective Teaching Committee (1996-1997, 2003-2004, Chair 1997)
10. Ag Ambassador Selection Committee (1998, 2006, 2007)
11. ESCOP/ACOP Leadership Development program, Class XIII (2003-2004)
12. Review OSU CASNR program with Delegation from Instituto Tecnológico y de Estudios Superiores Monterrey, Monterrey, Mexico
13. Associate Dean, College of Agricultural Sciences and Natural Resources, Search and Screen Committee (1998)
14. CASNR Student Counseling, Advisement and Retention (1998-2003)
15. DASNR Distance Education Committee (1996-2001)
16. DASNR Agriculture Faculty Council (1999-2001)
17. CASNR Curriculum and Academic Standards (1998-present)
18. CASNR Student Technology Fee (1996-2001)
19. Environmental Science Steering Committee, member, student advisor (1995-present)

Department of Plant and Soil Sciences, Oklahoma State University

1. Lead curriculum mapping for B.S., M.S., Ph.D.-Crop Science, and Ph.D. Soil Science programs based on program outcomes assessment, professional performance objectives of Certified Crop Advisor and Certified Professional Soil Scientist programs. (2010-present)
2. Search and Screen Committee, Applied Soil Physics Position (2007)
3. Search and Screen Committee, Plant Science Teaching and Youth Development Position (2007-Chair)
4. Lead development of department program outcomes assessment (2006-2007)
5. Lead development of department strategic plan (2006-2007)
6. Authored Plant and Soil Sciences 5-year program review submitted to Oklahoma State Regents For Higher Education (2006)
7. Search & screen committee Soil/Environmental Chemist (2005)
8. Search and Screen Committee, Managed Ecosystems Teaching Position (2004-Chair)

9. Authored Plant and Soil Sciences 5-year program review submitted to Oklahoma State Regents For Higher Education (2001)
10. Undergraduate Advising Coordinator (1999-present)
11. Undergraduate Instruction Coordinator (1999-present)
12. Undergraduate Awards and Scholarships Committee (1995-present)
13. Search and Screen Committee, Crop Science Teaching Position (1998 Chair)
14. Undergraduate Curriculum, Teaching and Recruitment Committee (1999-Chair)
15. Soil Science Disciplinary Panel
16. Computer Advisory Committee
17. Faculty Advisory Committee
18. Newsletter Committee
19. Undergraduate Advisor Coordinator (1998-present)

Professional Development

- Attended research, extension and educational symposia, SSSA Meeting. 6 Jan. – 9 Jan. 2019, San Diego, CA.
- Attended educational symposia. ASA-CSSA, 4-10 Nov. 2018, Baltimore, MD.
- Participated in the OSU-OICO Workshop, IOS Apps for Teaching. Pomerene Hall 280. 10 Oct. 2018.
- Participated in the OSU-OICO Workshop, DIY Video for Teaching. Enarson Classroom Building 014. 4 Oct. 2018.
- Attended the Association of Ohio Pedologists Summer Meeting, 7 Aug. 2018. OARDC, Wooster, OH.
- Attended the North American Colleges and Teachers of Agriculture, 12-16 June 2018, Iowa State University, Ames, IA
- Attended the OSU-OCIO Innovate 2018: Forward. Ohio Union. 11 May 2018.
- Attended the Association of Ohio Pedologists, 15 Feb. 2018. High Banks Metro Park, Columbus OH.
- Attended Dawn or Doom'17 Emerging Technology – Risk and Rewards. September 26 & 27, 2017. Purdue University. West Lafayette, IN. <http://www.purdue.edu/dawnordoom/index.html>
- Participated in webinar “Addressing Unconscious Bias in Higher Education” 13 Jan. 2017
- Attend Ohio State Advising Conference (2012-2016)
- Attended National Mentoring Symposium, Indiana University–Purdue University Indianapolis, Indianapolis, IN, October 1, 2016.
- Attended 23rd National Conference on Students in Transition, by National Resource Center for the FYE & SIT New Orleans, LA, October 15-17, 2016
- Completed “*at-risk*” training for identifying student at risk, mental stress and suicide prevention. <http://ucats.osu.edu/at-risk.html> . 31 August 2011.
- Attended the APLU National Academic Programs Summit, Creating Change: Reforming Curricula for a 21st Century Education. 3-5 August 2011, Indianapolis, IN.
- Attend the North American Colleges and Teachers of Agriculture, 16-20 June 2009, Stillwater, OK.
- Attended educational symposia. ASA-CSSA-SSSA, 30 Oct. – 4 Nov. 2010, Long Beach, CA.
- Attended the North American Colleges and Teachers of Agriculture, 22-26 June 2010, State College, PA.
- Attended the APLU National Academic Programs Summit, Creating Change: Building Human Capacity for a Sustainable Future. 21-22 June 2010, State College, PA.
- Attended advisor training of “FERPA for Academic Advisors and Others Who Regularly Work with Students and Parents” C. Campbell and R. Peaster. 4 February 2010. Stillwater, OK.
- Attended College of Agricultural Sciences and Natural Resources (CASNR) Workshop. Enhancing Student Learning Through Effective Teaching and Faculty Mentoring. Kirby Barrick, 7 January 2010.

- OSU's Institute for Teaching and Learning Excellence (ITLE) Assessment Workshop Survey Writing by Dr. Katye Perry. Guidance on developing effective survey items for alumni and assessment surveys. 7 October 2009.
- Attended educational symposia. 31 October - 5 November 2009. ASA-CSSA-SSSA meetings Pittsburg, PA.
- Attend the North American Colleges and Teachers of Agriculture, 16-20 June 2009, Stillwater, OK.
- Study Abroad & Student Affairs: Best Practices in Health & Safety Seminar by Gary Rhodes, Ph.D., and Michael Sachs, J.D. co-sponsored by the Office of the Vice President for Student Affairs and the Office of International Education and Outreach/Study Abroad. 6 October 2009.
- Conference on Advancing Strategies for Teaching and Learning Excellence (CASTLE) 2009. OSU's Institute for Teaching and Learning Excellence (ITLE) conference theme was "Voices in the Classroom: Facilitating Difficult Dialogues." 2 October 2009, Stillwater, OK.
- Attended 2008 NASULGC Annual Meeting—Navigating in a Climate of Change November 9–11, Chicago, IL.
- Participated in Provost's Faculty Development Series on Critical Thinking. Lead by Greg Wilber and Doren Wrecker for the Institute of Teaching and Learning Excellence. 10 September 2008. Stillwater, OK.
- Attended the 54th Annual North American Colleges and Teachers of Agriculture, 10-13 June 2008, Logan, UT.
- Attended College of Agricultural Sciences and Natural Resources (CASNR) and Institute for Teaching and Learning Excellence (ITLE) sponsored presentation by Dr. Ken Bain "What The Best College Teachers Do" 8 April 2008. Stillwater, OK.
- Attended CASNR Faculty Orientation. Brown Bag Teaching Discussion. Amy Gazaway CASNR Student Success Center. 13 September 2007. Stillwater, OK.
- Attended Fall CASNR Teaching Enhancement Seminar. Generation NeXt Comes to College: Understanding, Teaching and Serving Today's Postmodern Students. Mark Taylor. 9 August 2007. Stillwater, OK.
- Participated in Fall CASNR Teaching Enhancement Workshop. Postmodern Pedagogy: What Works on Generation NeXt? Mark Taylor. 9 August 2007. Stillwater, OK.
- Attend the North American Colleges and Teachers of Agriculture, 19-22 June 2007, Champaign, IL.
- USDA Summit 2007 National Conference on Changing Higher Education in Agriculture and Related Sciences, College Station, TX 11-13 June 2007
- Participated in CASNR Reading/Study Group On Teaching & Learning of "How People Learn" 1999 National Academy Press. January-May, 2007
- Attended educational symposia at ASA-CSSA-SSSA meeting. 11-16 November 2006. Indianapolis, IN.
- Participated in CASNR Fall Teaching Symposium. CASNR Teaching Effectiveness Workshop. 17 August 2006. Stillwater, OK.
- Attended National Council on Science and the Environment annual conference. 26-27 January 2006. Washington, D.C.
- Attended Sustainable Agriculture Education Conference. Hosted by University of California-Santa Barbra and University of California-Davis. 24-26 January 2006. Asilomar, CA.
- Attended CASNR Teaching Workshop and Retreat. 5 January 2006. Tulsa, OK.
- Attended educational symposia. 5-9 November 2005. ASA-CSSA-SSSA meetings Salt Lake City, UT.
- Attended Regional Accreditation with the Higher Learning Commission. HLC Accreditation Seminar. Brenda Masters, Director of OSU Accreditation: October 21, 2005.
- Participant in Effective Departmental Outcomes Assessment. OSU Professional Development Workshop. Jonathan Comer, Professor of Geography, Oklahoma State University. 14 October 2005. Stillwater, OK.
- *North American College and Teachers of Agriculture (NACTA) Annual Meeting*; Experiential and Student-Centered Learning; The Ohio State University, Wooster, OH; June 15-18, 2005

- Participant in Critical Thinking Skills. CASNR Teaching Effectiveness Workshop. Rick Rudd, Professor of Agricultural Education, University of Florida. 18 August 2005. Stillwater, OK.
- Attended Executive Briefing: Sexual Harassment Training. Carolyn Hernandez and Scott Fern OSU office of Legal Council. 12 April 2005. Stillwater, OK.
- Participant in Problem-Based Learning (PBL). CASNR Teaching Effectiveness Workshop. Doug Needham, Professor of Floriculture, Oklahoma State University. 15 March 2005. Stillwater, OK.
- Attended Course Evaluations. CASNR Brown Bag Teaching Discussion. Dr. Doug Needham, Professor of Floriculture. 17 February 2005. Stillwater, OK
- Attended educational symposia. 30 October - 4 November 2004. ASA-CSSA-SSSA meetings Seattle, WA.
- Attended American Association of Higher Education, Assessment Conference. Closing the Loop on Assessment. 14-15 June 2004. Denver CO.
- Attended the North American Colleges and Teachers of Agriculture. 21-24 June 2004. Gainesville, FL.
- *Attended Developing and Assessing Critical Thinking*; General Education Assessment Committee and OSU Assessment Council Workshop; Dr. Jeffory Hattey, Plant and Soil Sciences and Dr. Greg Wilber, Civil and Environmental Engineering; September 30, 2004. Stillwater, OK
- *Attended Problem-Based Instruction*; CASNR Teaching Effectiveness Workshop. Barbara Licklider. August 12, 2004. Stillwater, OK
- *Attended Learning-Centered Teaching*; CASNR Teaching Effectiveness Workshop. Barbara Licklider. August 12, 2004. Stillwater, OK
- *Attended Teaching Portfolios*; CASNR Brown Bag Teaching Discussion; Dr. William Weeks. April 20, 2004. Stillwater, OK
- *North American College and Teachers of Agriculture (NACTA) Annual Meeting*; Teaching students to Think and Reason; University of Florida, Gainesville, FL; June 20-24, 2004
- *Attended Unraveling the Mysteries of FTE Allocations*. CASNR Brown Bag Teaching Discussion. Ed Miller. 4 March 2004. Stillwater, OK
- *Attended Keeping the Focus on Learning*; CASNR Teaching Effectiveness Workshop; L.H. Newcomb; 29 January 2004. Stillwater, OK
- *Attended Study Abroad Classes: Design and Implementation*. CASNR Brown Bag Teaching Discussion; Dan Tilley and Marcia Tilley. November 20, 2003 Stillwater, OK
- *Attended Good to Great Seminar*. Jim Collins. 18 November 2003. Stillwater, OK
- *Attended Peer Assessment for Teaching Improvement*; CASNR Brown Bag Teaching Discussion. Kris Giles. 18 September 2003
- *Attended Peer Observation for Teaching Assessment*; CASNR Teaching Effectiveness Workshop; Dr. Kirby Barrick; Associate Dean for Academic Programs; College of Agricultural, Consumer and Environmental Sciences; University of Illinois at Urbana Champaign. 14August. 2003
- *Attended The Art and Science of College Teaching*; CASNR New Faculty Development Retreat; Dr. Kirby Barrick; Associate Dean for Academic Programs; College of Agricultural, Consumer and Environmental Sciences; University of Illinois at Urbana Champaign. 12-13August 2003
- *North American College and Teachers of Agriculture (NACTA) Annual Meeting*; Cal Poly San Luis Obispo, CA; June 17-20, 2003
- *Attended The Scholarship of Teaching*; CASNR Brown Bag Teaching Discussion; Dr. David Buchanan; Animal Science; April 17, 2003
- *Attended Lemonade 5¢ ... Accommodating Different Levels of Student Preparedness*; CASNR Brown Bag Teaching Discussion; Dr. Jonathan Shaver; Plant and Soil Sciences; March 20, 2003
- *Attended Authentic Assessment Strategies for the Agricultural Classroom*; CASNR Brown Bag Teaching Discussion; Kathleen Kelsey; Agricultural Education, Communications, and 4-H Youth Development; 9 January 2003. Stillwater, OK.
- Attend the National Survey of Student Engagement (NSSE) user's conference, 5-6 October 2003, San Marcos, TX.

- *Attended Effective Strategies for Evaluating Writing Assignments in Undergraduate Courses;* CASNR Brown Bag Teaching Discussion; Dr. Jeff Hattey; Plant and Soil Sciences; 21 November 2002. Stillwater, OK
- Attended American Association of Higher Education, Assessment Conference, Denver CO. 21 June 2001
- Attended North American Colleges and Teachers Association annual meeting. 18 June 2001. Saskatoon, SK, CA.
- Attended National Agriculture Colleges and Teachers Association annual meeting, 6 June 2000, Doylestown, PA
- Oil in Soil Workshop at ASA-CSSA-SSSA meeting. 3 November 1996. Indianapolis, IN.
- Education Workshop at ASA-CSSA-SSSA meeting. 3 November 1996. Indianapolis, IN.
- Teaching and Learning with Cases: Promoting active learning in agricultural, food and natural resources education. Steve Simmons. 6-8 July 1995. Chaska, MN.
- Southern Region Teaching Symposium. Theme: Rewarding Teaching and Teaching Portfolios. 23-25 October 1995. Stillwater, OK.

Administrative Duties

Promotion of Faculty and Staff

Nomination of Faculty and Staff for Professional Recognition.

	Nominations Submitted	Nominations Successful
National or International	6	4
University or College	5	4

College of Food, Agricultural and Environmental Sciences

1. Provided welcome to the Young Leaders Conference that is put on by Alpha Gamma Rho and Sigma Alpha. Nationwide and Ohio Farm Bureau 4-H Center 9 Feb. 2018.
2. Create and supervise CFAES Peer Mentor program (2012 – 2017) organization to support First Year success initiative in CFAES. Developed curriculum, organized leadership development activities annual training, conference attendance and research of peer mentor program. Annually evaluated and selected an average of 50 students to serve in the role and supervised a graduate assistant and undergraduate student assistant, engaged undergraduates in national peer mentoring conferences. Results of the program include increasing first year retention rate to 96% from 89%, two graduate students degrees completed and one research publication.
3. Provided welcome to new CFAES students at the Animal Science Community Alliance (2017)
4. Served as CFAES representative on the Smart Ag 4.0 event (2016-2017)
5. Provided leadership for creation first 100% online degree in CFAES with Master of Science of Agricultural and Extension Education (2011 – 2013)
6. Buckeye Book Community selection committee member, (2013 – 2017). Select freshman book for all incoming freshmen on all campuses of The Ohio State University. Championed the 2015 selection of “Good Food Revolution”.
7. Member of FAES Student Success Center design committee (2011 – 2014). Provided input on learning space and pedagogy.
8. Provided CFAES input to OCIO for implementation of Carmen Connect.
9. Provided CFAES faculty and students access to Turnitin through a university site license. (2011)
10. Attended The 9th Annual National Urban Education Conference “Multicultural Education - Becoming Culturally Relevant In the 21th Century” at Central State University, Wilberforce, OH. 2011.
11. Consulted with Columbus State Community College on Preferred Pathway Programs for CFAES degrees. (2011 – 2014)

Environmental Sciences

1. Met with prospective students from Oklahoma School of Science & Math to provide information regarding educational and career opportunities in ES. 13 November 2009.
2. Provide advice for student development of the “WaterColor” project to raise funding for water well construction in developing countries by making requests of art work from artists which is auctioned at local businesses with the proceeds funding the activity. 8 October 2009.

3. Attend Seniors of Significance Reception, 20 November 2008. Stillwater, OK
4. Welcome Reception for DASNR International Students. 26 September 2008. Stillwater, OK.
5. Attended the Fall Executive Briefing on Creating America's Healthiest Campus. Conducted by Dr. Steven Aldana, CEO and Founder of *WellSteps*. 29 September 2009.
6. Met with potential students as part of the OSU Experience 12 September 2009.
7. Met with CASNR Agricultural Ambassadors at Fall Retreat to teach provide information on student recruitment for ES Program. 13 August 2008.
8. Met with incoming freshman students in CASNR for ALPHA week 15 August 2008, Stillwater, OK.
9. Attended annual meeting of State Two and Four-Year College and University Agriculture Instructors/Administrators. Presented Environmental Science Transfer Agreements to 2-year Institution Representatives. 20 May 2008.
10. Recruitment visit to Connors State College with 75 students. 21 February 2008. Warner, OK.
11. Organizational meeting of Environmental Sciences E-Team. 3 February 2008.
12. Experience CASNR! A one-day professional development conference, 2 January 2008. Represent Environmental Sciences Program when meeting with prospective students, transfer students and families.
13. Recruitment visit with 52 students at Ripley High School. 6 December 2007. Ripley, OK.
14. Attend DASRN Dean's Advisory Council, Stillwater, OK. 30 October 2007
15. Establish working agreement for transfer planning guide with faculty from Science Department, Western Oklahoma State College. 21 November 2007. Altus, OK.
16. Recruitment visit at Western Oklahoma State College with 33 students. 21 November 2007. Altus, OK.
17. Recruitment visit with 19 students at Eastern Oklahoma State College. 4 October 2007. Wilburton, OK.
18. Met with Oklahoma science teachers at the annual meeting of the Oklahoma Science Teachers Association (OSTA) to inform of educational and career opportunities in environmental, plant and soil sciences. 18 October 2007. Omniplex, Oklahoma City, OK.
19. Welcome Reception for DASNR International Students. 14 October 2007. Stillwater, OK.
20. Establish working agreement for transfer planning guide with faculty from Science Department, Northeastern Oklahoma State College. 25 September 2007. Miami, OK.
21. Recruitment visit with 76 students at Northeastern Oklahoma State College. 25 September 2007. Miami, OK.
22. Agricultural, Food, Environmental & Natural Sciences Career Fair; Wes Watkins Center for International Trade. 12 September, 2007
23. Establish working relationship for ES program with Upward Bound Students Rogers State Environmental Science & Math group. 11 July 2007
24. College of Agricultural Sciences and Natural Resources Awards and Scholarship Banquet; 31 March 2007
25. Assisted with organization and attended Environmental Sciences Awards Banquet; 25 April 2007
26. Attended Ag Alumni BBQ; 21 October 2006
27. Attended Faculty Appreciation Breakfast; 30 August 2006
28. Served as Oklahoma State Representative to Council of Environmental Deans and Directors (CEDD). 2006. Summer meeting. "The Next Generation of Environmental Students and Scientists: *Who will they be? How do we involve them? What do we teach them?*" Oak Ridge Conference Center, Chaska, MN. 12-14 July, 2006.
29. Presented modifications to ES program at Two & Four Year College & University Meeting; 16 May 2006. Stillwater, OK.
30. Attended the Wentz Research Scholar Reception; 24 April 2006
31. Environmental Sciences Awards Banquet; 19 April 2006
32. College of Agricultural Sciences and Natural Resources Awards and Scholarship Banquet; 31 March 2006
33. Welcome Reception for DASNR International Students; 27 October 2006
34. Ag Alumni BBQ; 21 October 2006
35. Agricultural, Food, Environmental and Natural Sciences Career Fair, Wes Watkins Center for International Trade. 14 September 2006
36. Faculty Appreciation Breakfast; 30 August 2006
37. Camp Cowboy; 8 July 2006
38. Two & Four Year College & University Meeting; 16 May 2006
39. Wentz Research Scholar Reception; 24 April 2006
40. Environmental Sciences Awards Banquet; 19 April 2006
41. College of Agricultural Sciences and Natural Resources Awards and Scholarship Banquet; 31 March 2006
42. Ag Alumni BBQ; 29 October 2005
43. Provide tour Ecology tour for Sanger Elementary School 3rd grade classes. Stillwater, OK. 12 October 2005
44. Ag Roundup; 31 August 2005
45. DASNR Faculty Appreciation Breakfast; 24 August 2005
46. Camp Cowboy; 9 July 2005
47. Environmental Sciences Awards Banquet; 21 April 2005

48. College of Agricultural Sciences and Natural Resources Awards and Scholarship Banquet; 1 April 2005

Plant and Soil Sciences

1. Recruitment visit to Connors State College with 20 students. 11 February 2009. Warner, OK.
2. Meet with Forestry Accreditation team to review forestry academic program in NREM Department, 17 September 2008
3. Meet with CASNR Agricultural Ambassadors at Fall Retreat to teach provide information on student recruitment for PaSS. 13 August 2008.
4. Attend DASNR International Student Graduation Luncheon. 16 April 2008
5. Created safety component to include in course syllabi for PaSS faculty.
6. Informational meeting with OSU Undergraduate Admissions and OSU-HIRE team for CASNR in-service training. November, 2007
7. Organized and hosted recruitment visit from NRCS Oklahoma State Conservationist, Ron Hilliard for 42 students from PaSS, NREM, ES, and BAE, in Stillwater, OK. 13 November 2007.
8. Informational meeting with CASNR-FIT students, November, 2007
9. Provide input for Forestry 2008 Accreditation, 14 December 2007
10. Provide oversight for Departmental Curriculum review.
 - a. Creation of seven options of study in plant and soil sciences
 - b. Review of faculty expertise for positions
 - c. Oversee outcomes assessment
11. Planned Plant and Soil Sciences Freshmen Welcome Reception. 21 August, 2007; 22 August, 2006; 23 August 2005; 24 August, 2004; 19 August, 2003; 20 August 2002; 21 August 2001; 22 August 2000; 23 August 1999
12. Host Plant and Soil Sciences Freshmen and Transfer Students for Introduction to Department Organizations; 23 August, 2007; 24 August, 2006; 25 August 2005; 26 August, 2004; 21 August, 2003; 22 August 2002; 23 August 2001; 24 August 2000; 25 August 1999
13. Created and supervised course for Upward Bound at Oklahoma State University, June 2007
 - a. Soil Science, Soil and Water Conservation
 - b. Biofuels
14. Lead "Life in the Soil" workshop. Camp Redlands Highland Park Elementary School. 3 May 2007. Stillwater, OK.
15. Faculty Marshall at Graduation Ceremony for Oklahoma State University. 5 May 2007
16. Conduct information session for CASNR Ag Ambassadors, April 2007
17. Participated in Camp Cowboy; 7 July 2006. 11 July 2004; 12 July 2003, 13 July 2002
18. Faculty Marshall at Graduation Ceremony for Oklahoma State University. 6 May 2006
19. Recruitment visit with 43 students from Eastern Oklahoma State College at Eastern Research Station, Haskell, OK. 11 October 2005.
20. Supervise creation of a recruitment CD for Plant and Soil Sciences. May 2005
21. Faculty Marshall at Graduation Ceremony for Oklahoma State University. 7 May 2005
22. Agricultural, Food, Environmental and Natural Sciences Career Fair, Wes Watkins Center for International Trade. 22 February 2005
23. Attended Ag Alumni BBQ; 16 October 2004. 18 October 2003; 2 November 2002
24. Faculty Marshall at Graduation Ceremony for Oklahoma State University. 8 May 2004
25. Meet with FIT students. 29 October 2003.
26. Recruitment visit with 52 students from Connors State College, Warner OK. 29 September 2003.
27. Attended Faculty Appreciation Breakfast. 28 August 2003; 29 August 2002
28. Participated in Future Ag Leaders Conference. 20 November 2004; 23 November 2003
29. Attended Ag Roundup. 1 September 2004; 27 August 2003; 28 August 2002
30. Attended the College of Agricultural Sciences and Natural Resources Awards and Scholarship Banquet 26 March 2004. 4 April 2003; April 2002
31. Attended Plant and Soil Sciences Awards Banquet. 6 April 2006; 7 April 2005; 1 April 2004; 11 April 2003, 31 March 2001
32. Led Workshop for Science at Work in Agriculture Field Day. 2 May 2003. Agronomy Research Station, Stillwater, OK.
33. Lead "Life in the Soil" workshop. Camp Redlands Highland Park Elementary School. 1 May 2003. Stillwater, OK.
34. Faculty Marshall at Graduation Ceremony for Oklahoma State University. 10 May 2003

35. Recruitment visit with 32 students from Eastern Oklahoma State College at Eastern Research Station, Haskell, OK. 10 October 2002.
36. Attended Agricultural, Food, Environmental & Natural Sciences Career Fair. 15 October 2002
37. Recruitment visit with 31 students from Redlands Community College, El Reno OK. 25 September 2002.
38. Workshop in Plant and Soil Sciences for secondary education teachers. 10 June 2002. Stillwater, OK.
39. Faculty Marshall at Graduation Ceremony for Oklahoma State University. 11 May 2002
40. Recruitment visit with 31 students from Connors State College, Warner OK. 13 March 2002.
41. Attended Convocation Ceremony for Oklahoma State University, College of Agricultural Sciences and Natural Resources. 14 December 2002; 15 December 2001.
42. Workshop for Agriculture Education Teachers "Basics of Soil Science". 31 August 2001. Stillwater, OK.
43. Attended Graduation Ceremony for Oklahoma State University. 11 May 2002; 5 May 2001

College of Agricultural Sciences and Natural Resources

1. CASNR Faculty Associate for 2008-2009, 2010-2011 Freshman-in-Transition.
2. Small Group Session of AG 1011 (Orientation) Tuesday, September 18, 2007
3. CASNR representative on University Late Drop Requests committee. 25 July, 24 April 2007, 17 July 2006, 27 April 2005
4. Small Group Session of AG 1011 (Orientation) Tuesday, September 19, 2006

Awards and Honors

1. Recognized the The Ohio State University Mortar Board Chapter for as an Outstanding Faculty Mentor, 2019.
2. Delta Theta Sigma, Alpha Chapter, **Honorary Member**, 2016.
3. The Agricultural Education Society **Teaching Award**, 2015. In Recognition of Teaching that Encourages Students to Reach their Full Potential.
4. **Outstanding Student Mentorship Award**, 2013. The Ohio State University, Office of Student Life. In recognition for outstanding service to students and exemplary efforts to further the academic mission of the University.
5. Honored with 2011 by OSU-CASNR Alumni Association with the **Exemplary Faculty Award**, identified by alumni in a bi-annual survey as a faculty who have made a difference in the lives of students.
6. Received the 2010 **Soil Science Education Award** from the Soil Science Society of America.
7. Recipient of 2008 **United States Department of Agriculture Food and Agricultural Sciences Excellence in Teaching Award**, Southern Region from the National Association of State Universities and Land-Grant Colleges (NASULGC) and United States Department of Agriculture, The Science and Education Resources Development unit of the Cooperative State Research, Education, and Extension Service, (USDA-CSREES-SERD).
8. Honored with 2008 by OSU-CASNR Alumni Association with the **Exemplary Faculty Award**, identified by alumni in a bi-annual survey as a faculty who have made a difference in the lives of students.
9. Recognized 2007 with **Regents Distinguished Teaching Award**, Oklahoma State University.
10. Recipient of 2005 North American Colleges & Teachers of Agriculture, **Outstanding Teacher Award**, Southern Region.
11. Recognized in 2004 by OSU-CASNR Alumni Association with the **Exemplary Faculty Award**, identified by alumni in a bi-annual survey as a faculty who have made a difference in the lives of students.

12. Selected by students in 2004 as Alpha Zeta: **CASNR Teacher of the Year**.
13. 2003 Student's **Selected Outstanding Teacher**, O'Collegian, campus newspaper, Oklahoma State University.
14. **ASAE National Blue Ribbon paper winner**; Team member with: Millmier, A., J. Lorimor, C. Hurburgh, C. Fulhage, J. Hattey, and H. Zhang. Near-infrared sensing of manure nutrients. Trans. ASAE 43:903-908; (2000).
15. Recognized in 2000 as **Teacher Fellow** by National Association of Colleges & Teachers of Agriculture.
16. Recipient of 1999 **Outstanding Teaching Award**, Department of Plant and Soil Sciences, Oklahoma State University.
17. Named to **Outstanding Teaching Award**, Gamma Sigma Delta, Oklahoma State University Chapter, 1999.
18. Honored with 1997 **Faculty Advisor Award**, OSU Agronomy Club.
19. Spooner Scholar Award. University of Arkansas. (1993). This award allows the recipient to travel to other institutions and industrial locations for the purpose of research and training.
 - a. Texas A & M to work in the lab of Dr. J.B. Dixon on differential X-Ray diffraction and transmission electron microscopy.
 - b. National Synchrotron Light Source, Brookhaven National Laboratory to work with Dr. D.G. Schulze of Purdue University on x-ray Adsorption Spectroscopy.
20. Agricultural Alumni Scholarship Central Missouri State University (1984).

Memberships and Activities

1. Association of Ohio Pedologists (2017 to present)
2. The National Academic Advising Association (2012-2016)
3. North American Colleges and Teachers of Agriculture (1998 to present)
4. Sigma Xi, Full member, OSU Chapter (1995-1998)
5. Soil and Water Conservation Society (1995 to 2012)
6. Gamma Sigma Delta (1987);
 - President OSU Chapter (1999)
 - Vice-President OSU Chapter (1998)
7. University of Arkansas Agronomy Graduate Student Association:
 - President (1988-89);
 - Vice-President (1987-88)
8. American Society of Agronomy (1986 to present)
9. Soil Science Society of America (1986 to present)
10. Agriculture Club: President CMSU (1985)
11. Delta Tau Alpha, Agriculture National Honor Society
 - Vice President, CMSU Chapter (1985)

Community Service

1. Stillwater High School
 - Stillwater Booster Club
 - Submit budget request to Stillwater High School Booster Club
 - Communicate between Booster Club and coaches
 - Swim Team Representative (2009-2010)
 - Dugout Club Representative (2006-2008)
2. Eagle Heights Baptist Church
 - Pastor Search Team, 2007-2008.

- Director of University Ministry, 2006-2011
 - Director of Small Groups studies, 2004-2005
 - Elder selection team, 2004-2005
 - Director of Bible Studies, 1997-2004
 - Bible Study Teacher, 1997-2003
3. Stillwater Youth Baseball Association
 - Coach 1998-2005
 - League President 2003
 - League Vice-President 2002
 4. Youth softball coach
 - Opelika, AL 1994
 - Fayetteville, AR 1992-1993