

# Julia L. Sharp

## PERSONAL DATA

**Associate Professor**  
Department of Statistics  
Colorado State University  
Fort Collins, CO 80523

## EDUCATION

Ph.D., Montana State University, 2007, Statistics  
M.S., Montana State University, 2001, Statistics  
B.S., University of Evansville, 1998, Mathematics

## PROFESSIONAL EXPERIENCE

Colorado State University, 2016 – present, Associate Professor  
2016 – present, Director of Graybill Statistical  
Laboratory  
Clemson University, 2016, Faculty Scholar, School of Public Health Research  
2013 – 2016, Associate Professor  
2007 – 2013, Assistant Professor  
Montana State University, 1999 – 2001, 2002 – 07, Graduate Teaching Assistant  
2002 – 03, 2005 – 07, Graduate Research Assistant  
2001 – 02, Adjunct Instructor  
Pacific Northwest National Laboratory, 2004 & 2006, Statistics Intern  
AmeriCorps, 1998 – 1999, Assistant Coordinator of America Reads

## MEMBERSHIPS

Member, American Statistical Association, Biometrics Section (2007 - )  
Member, South Carolina American Statistical Association Chapter, (2007 - )  
Member, American Statistical Association, ASA (2003 - )  
Member, Mathematical Association of America (2009 - 2014)  
Member, Institute of Mathematical Statistics, IMS (2007 - 2015)

## PROFESSIONAL ACTIVITIES

Board Member, American Statistical Association, 2017-2019  
District Five Vice Chair, Council of Chapters Governing Board, American Statistical Association, 2014-2016  
Traveling Course Committee Past Chair, Council of Chapters Governing Board, American Statistical Association, 2015-2016  
Traveling Course Committee Chair, Council of Chapters Governing Board, American Statistical Association, 2014-2015  
President, South Carolina American Statistical Association Chapter, 2011 - 2013  
Vice President, South Carolina American Statistical Association Chapter, 2008-2011  
Educational Testing Service Advanced Placement Statistics Exam Reader 2008, 2009, 2010, 2011, 2012  
Educational Testing Service Advanced Placement Statistics Exam Table Leader 2013, 2016  
Grant Reviewer for Office of Planning Research and Evaluation at the Administration for Children and Families 2008, 2009  
Statistical Education Booth Volunteer. Joint Statistical Meetings, Washington, DC, August 2009, 2012  
Department of Defense SMART (Science, Mathematics, and Research for Transformation) Grant reviewer 2010  
The American Statistician journal reviewer 2011, 2012, 2017  
Journal of Applied Statistics reviewer 2012  
Journal of Statistics Education reviewer 2011, 2012, 2015  
National Science Foundation panelist 2011, 2012, 2014  
Kansas State University Statistics in Agriculture Proceedings reviewer 2012, 2013, Weixing Song, editor  
SC-ASA Fall Meeting Organizer 2010, 2012  
Clemson University representative for USDA project NCCC-170: *Research Advances in Agricultural Statistics* 2010-2016  
Clemson University representative for USSES: University Statisticians of the Southern Experiment Stations 2009-2016  
Organizer and Program Chair, USSES Meeting: 2014

## PUBLICATIONS

### Refereed Journal Publications:

1. Wilson, D., Hallo, J. C., **Sharp, J. L.**, Mainella, F. P., and McGuire, F. A. (in review). "Activity selection among baby boomer national park visitors: the search for a sense of adventure," *Journal of Outdoor Recreation and Tourism*, submitted.
2. Casanova, E., **Sharp, J. L.**, Edelson, S. M., Kelly, D. P., and Casanova, M. (in review). "Immune and endocrine disorders in women with comorbid Ehlers-

Danos Syndrome and Autism Spectrum Disorder,” *Brain, Behavior, and Immunity*, submitted.

3. Chandler, R., Post, C. J., Moysey, S., Schlautman, M., **Sharp, J. L.**, Motallebi, M. (in review). “Integrating frameworks for ecosystem services with the existing organizational hierarchy of soil systems,” *Geoderma Regional*, submitted.
4. Koparan, C., Koc, A. B., Privette, C. V., Sawyer, C. B., and **Sharp, J. L.** (in review). “UAV-assisted autonomous water sampling,” *Computers and Electronics in Agriculture*, submitted.
5. Van Puymbroeck, M., Walter, A. A., Hawkins, B. L., **Sharp, J. L.**, Woschkolup, K., Urrea-Mendoza, E., Revilla, F. J., and Schmid, A. A. (in review). “Functional improvements in Parkinson’s Disease following a randomized trial of yoga,” *Clinical Rehabilitation*, submitted.
6. Hawkins, B., Van Puymbroeck, M., Walter, A., Sharp, J. L., Woschkolup, K., Urrea-Mendoza, E., Revilla, F., and Schmid, A. (in review). “Perceived activities and participation outcomes of a yoga intervention for individuals with Parkinson’s Disease: a mixed methods study,” *Disability and Rehabilitation*, submitted.
7. Gerstner, Z., Casanova, E., **Sharp, J. L.**, Casanova, M. F., and Feltus, A. (in review). “Widespread genotype-phenotype correlations in intellectual disability,” *Biological Psychology*, submitted.
8. Kennedy, M., Schultz, B., Economy, D., **Sharp, J. L.**, Mara, N., Li, N. (in review). “Tribological Performance of Monolithic Copper Thin Films During Nanowear,” *Wear*, submitted.
9. Harris, B. S., Schmalz, D. L., Sharp, J. L., Mazer, J. P. (in review). “Did you see my post?: Using social networking sites to cope with a threatened social identity,” *Communication Quarterly*.
10. Burg, K. J. L., Tabbaa, S., **Sharp, J. L.** (in review). “Characterization and isolation of cancer cells with a wicking fiber device,” *Annals of Biomedical Engineering*, submitted.
11. Cope, M. P., Mikhailova, E. A., Post, C. J., Schlautman, M. A., McMillan, P. D., **Sharp, J. L.**, and Gerard, P. D. (in review). “Impact of extreme spring temperature and summer precipitation events on flowering phenology in a three-year study of the shores of Lake Issaqueena, South Carolina,” *Ecoscience*, submitted.
12. Mikhailova, E., Hagan, D., **Sharp, J. L.**, Ritter, B., Stiglitz, R., Mealing, V., Allerton, T., Burdette, K., and Solomons, A. (2017). “Landscape, soil and plant analysis of Japanese stiltgrass (*Microstegium vimineum*) invasion in Piedmont region, SC,” *Communications in Soil Science and Plant Analysis*, in press.

13. Stiglitz, R., Mikhailova, E., Post, C., Schlautman, M., and **Sharp, J. L.**, Pargas, R., Glover, B., and Mooney, J. (2017). "Soil color sensor data collection using a GPS-enabled smart-phone application," Technical Contribution No. 6435 of the Clemson University Experiment Station, *Geoderma*, in press.
14. Kerrison, D. A., Condrasky, M. D., and Sharp, J. L. (2017). "Culinary nutrition education for undergraduate nutrition dietetics students," *British Food Journal*, 119 (5): 1045-1051.
15. Stiglitz, R., Mikhailova, E., Post, C., Schlautman, M., and **Sharp, J. L.** (2017). "Using an inexpensive color sensor for rapid assessment of soil organic carbon," Technical Contribution No. 6434 of the Clemson University Experiment Station, *Geoderma*, 286:98-103.
16. Hart, S., Mikhailova, E., Post, C., McMillan, P., **Sharp, J. L.** and Bridges, W. C. (2017). "Spatio-temporal analysis of flowering using LiDAR topography," *Journal of Geographical Sciences*, 27(1): 62-78.
17. Krenek, R., Cha, J., Cho, B. R., and **Sharp, J. L.** (2016). "Development of the Convolutions of Truncated Normal Random Variables with Three Different Quality Characteristics in Engineering Applications," *Journal of Statistical Theory and Practice*, 11(1): 1-25.
18. **Sharp, J. L.**, Borkowski, J.J. (2016). "A conditional frequency distribution test for analyzing 2xc tables," *Statistics & Probability Letters*, 119: p. 334-343.
19. Lepak GS, Moser, B. R., Bakota, E., **Sharp, J. L.**, Thornton, C. D., Walker, T. H. (2016), "Improved oxidative stability in biodiesel via alternative processing methods using cottonseed oil," *International Journal of Sustainable Engineering*, p. 1-10. 10.1080/19397038.2016.1250839.
20. Pamplin, R. W., Mikhailova, E. A., Post, C. J., McMillan, P. D., **Sharp, J. L.**, and Cox, S. K. (2016). "Multitemporal phenological floristic analysis of the shores of Lake Issaqueena, South Carolina," *Bartonia*, 68: 60-85.
21. Leone, C., Tang, C., Fraser, A., **Sharp, J. L.**, and Jiang, X. (2016). "Presence of human norviruses on bathroom surfaces: a review of the literature," *International Journal of Environmental Health Research*, 26(4): 420-432.
22. Xie, R., Isengildina, O., and **Sharp, J. L.** (2016). "Can rationality of USDA's fixed-event crop forecasts be improved?," *Advances in Business and Management Forecasting*, Volume 11, 117-146.
23. Stiglitz, R., Mikhailova, E. A., Post, C. J., Schlautman, M. A., and **Sharp, J. L.** (2016). "Teaching soil color determination using an inexpensive color sensor," *Natural Sciences Education*, 45(1): 1-7.
24. Casanova, E. L., **Sharp, J. L.**, Chakraborty, H., Sumi, N. S., Casanova, M. (2016). "Genes with high penetrance for syndromic autism typically function

within the nucleus and regulate gene expression," *Molecular Autism*, 7:18. doi 10.1186/s13229-016-0082-z

25. Burgett, J. M. and **Sharp, J. L.** (2016). "HERS standards plug-load interaction model exploration: incorporating the interaction of independent variables to improve the HERS standards plug-load models," *Energy Systems*, 1-17. 10.1007/s12667-016-0200-1.
26. Stiglitz, R. Mikhailova, E., Schlautmann, M., Post, C., and **Sharp, J. L.** (2016). "Evaluation of an inexpensive sensor to measure soil color," *Computers and Electronics in Agriculture*, 121:141-148.
27. Mikhailova, E., Hagan, D., **Sharp, J. L.**, Allerton, T., Burdette, K., Mealing, V., Ritter, B., Solomons, A., and Stiglitz, R. (2016). "Geospatial soil and plant analysis of *Sericea Lespedeza* (*Lespedeza cuneata*) invasion around Lake Issaqueena, SC," *Communications in Soil Science and Plant Analysis*, 47(5): 630-638.
28. Ergai, A. O, Cohen, T. N., Wiegmann, D. A., **Sharp, J. L.**, Gramopadhye, A., and Shappell, S. (2016). "Assessment of the human factors analysis and classification system (HFACS): intra-rater and inter-rater reliability," *Safety Science*, 82: 393-398.
29. Jayasakera, L., Leone, C. M., **Sharp, J. L.**, and Fraser, A. (2016). "Prevention and control practices for human noroviruses in long-term care facilities in South Carolina: an analysis of institutional policies and procedures," *American Journal of Infection Control*, 44(1): 24-29.
30. **Sharp, J. L.**, Wrenn, J. W., and Gerard, P. D. (2016). "Identifying the perceived value of statistical consulting in a university setting," *Journal of Statistical Theory and Practice*, 10(1): 216-225. 10.1080/15598608.2015.1108254
31. McMahan, C., Wang, D., Beall, M., Bowman, D. D., Little, S. E., Pitua, P. O., **Sharp, J. L.**, Stich, R. W., Yabsley, M. J., and Lund, R. B. (2016). "Factors associated with anaplasma spp. seroprevalence among dogs in the United States," *Parasites and Vectors*, 9(1):169.
32. Xie, R., Isengildina-Massa, O., Dwyer, G., **Sharp, J. L.** (2016). "The impact of public and semi-public information on cotton futures market," *Applied Economics*, 1-16. 10.1080/00036846.2016.1139677
33. Martinez, N. E., **Sharp, J. L.**, Kuhne, W. W., Johnson, T. E., Stafford, C. T., and Duff, M. C. (2015). "Assessing the use of reflectance spectroscopy in determining CsCl stress in the model species *Arabidopsis thaliana*," *International Journal of Remote Sensing*, 36(23): 5887-5915. 10.1080/01431161.2015.1110258
34. Leone, C., Jayasakera, L., **Sharp, J. L.**, and Fraser, A. (2015). "Prevention and

Control Practices for Human Noroviruses in Long-term Care Facilities in South Carolina," *American Journal of Infection Control*, 43(12): 1276-1280.

35. Mikhailova, E., Schlautman, M. A., Darnault, C. J. G., **Sharp, J. L.**, Post, C., Hall, K. C., Ouzts, E. V., and Barfield, M. A. (2015). "Effects of compost on the chemistry of an Upper Piedmont South Carolina soil," *Communications in Soil and Plant Analysis*, 46(22): 2787-2797. 10.1080/00103624.2015.1089270
36. Solomons, A. G., Mikhailova, E., Post, C. J., and **Sharp, J. L.** (2015). "LiDAR-based predictions of flow channels through riparian buffer zones," Technical Contribution No. 6332 of the Clemson University Experiment Station, *Water Science Journal*, 29: 123-133.
37. Condrasky, M., Hegler, M., **Sharp, J. L.**, Carter, C., Komar (2015). "Opinions, knowledge, and current practices of culinary arts instructors and professional chefs in regards to healthy food techniques," *Journal of Culinary Science & Technology*, 13(4): 287-302. DOI 10.1080/15428052.2015.1015669
38. Mikhailova, E., Post, C., **Sharp, J. L.**, and Speziale, B. (2015). "Creative Inquiry in soil science: soil inventory of private lands," *Natural Sciences Education*, 44(1):122-129.
  
39. Condrasky, M. D., Johnson, G., Corr, A., **Sharp, J. L.** (2015). "Cook like a chef 1- and 4-week camp models," *Journal of Extension*, 53(2): 1-12.
40. Ilagan, G., Vinson, M., **Sharp, J. L.**, Ilagan, J., Oberman, A. (2015). "Exploring outcomes and initial self-report of client motivation in a college counseling center," *Journal of American College Health*, 63(3):187-194.
41. Nguyen, D., Burg, K., and **Sharp, J. L.** (2014). "A look at biomedical engineering principles and medical devices through bone diseases and bone implants," *Science Scope*, 38(4): 39-49.
42. Stich, R. W., Blagburn, B. L., Bowman, D. D., Carpenter, C., Cortinas, M. R., Ewing, S. A., Foley, D., Foley, J. E., Gaff, H., Hickling, G. J., Lash, R. R., Little, S. E., Lund, C., Lund, R., Mather, T. N., Needham, G. R., Nicholson, W. L. **Sharp, J. L.**, Varela-Stokes, A., and Wang, D. (2014). "Quantitative factors proposed to influence the prevalence of canine tick-borne disease agents in the United States," *Parasites & Vectors*, 7:417, doi: 10.1186/1756-3305-7-417.
43. Wang, D., Bowman, D. D., Brown, H., Harrington, L. C., Kaufman, P. E., McKay, T, Nelson, C. T., **Sharp, J. L.**, and Lund, R. (2014). "Factors influencing U.S. canine heartworm (*Dirofilaria immitis*) prevalence," *Parasites and Vectors*, 7:264.
44. Miller, Z., Hallo, J., and **Sharp, J. L.** (2014). "Birding by ear: a study of recreational specialization and soundscape preference," *Human Dimensions of Wildlife*, 19(6): 498-511.

45. Economy, D. R., **Sharp, J. L.**, Martin, J. P., and Kennedy, M. S. (2014). "Factors associated with student decision making for participation in the Research Experiences for Undergraduates Program," *International Journal of Engineering Education*, 30(6(A)): 1395-1404.
46. Sarasua, S. M., Boccuto, L., **Sharp, J. L.**, Dwivedi, A., Chen, C. F., Rollins, J. D., Rogers, R. C., Phelan, K., and DuPont, B. R. (2014). "Clinical and genomic evaluation of 201 patients with Phelan–Mcdermid syndrome," *Human Genetics*, doi 10.1007/s00439-014-1423-7.
47. Sarasua, S. M., Dwivedi, A., Boccuto, L., Chen, C. F., Rollins, J. D., Rogers, R. C., Phelan, K., DuPont, B. R., and **Sharp, J. L.** (2014). "22q13.2q13.32 genomic regions responsible for severity of speech delay, developmental delay, and physical features in Phelan-McDermid Syndrome," *Genetics in Medicine*, 16: 318-238. doi: 10.1038/gim.2013.144.
48. Gonzalez-Pereyra, N. G., Glasgow, W., Parezan, A., **Sharp, J. L.**, Mefford, O. T. (2014). "Investigation of the etching of silicon under subcritical water conditions," *Industrial and Engineering Chemistry Research*, 53: 173-181. dx.doi.org/10.1021/ie4024337
49. Schmalz, D. L., **Sharp, J. L.**, & Colistra, C. M. (2014). "Implications of weight stigma, attitude, and weight status on eating behavior," *Topics in Clinical Nutrition*, 29(1): 3-9.
50. Ilagan, G., Vinson, M., **Sharp, J. L.**, Havice, P., and Ilagan, J. (2014). "Trainees versus staff: exploring counseling outcomes in college counseling center," *Journal of College Student Psychotherapy*, 28(3): 229-240.
51. Dixon, E., Condrasky, M., **Sharp, J. L.**, Kemper, K. (2014). "Application of a menu planning template as a tool for healthy pre-adolescent diets," *Topics in Clinical Nutrition*, 29(1): 47-56.
52. Madadi, A., Kurz, M. E., Taaffe, K. M., **Sharp, J. L.**, and Mason, S. J. (2014). "Supply network design: risk-averse or risk-neutral?," *Computers and Industrial Engineering*, 78: 55-65. 10.1016/j.cie.2014.09.030
53. Cha, J., **Sharp, J. L.**, Cho, R. (2013). "Rethinking the truncated normal distribution," *International Journal of Experimental Design and Process Optimization*, 3(4): 327-363.

54. Mikhailova, E.A., Cherney, D.J.R., Snyder, L.U., Kelly, S.M., Post, C.J., **Sharp, J. L.**, and Cox, S.K. (2013). "Evaluation of nutritive value and grass tetany potential of *Pueraria montana* (kudzu) during the growing season," Technical Contribution No. 5686 of the Clemson University Experiment Station. *Communications in Soil Science and Plant Analysis*, 44(22):3412-3422.
55. **Sharp, J. L.**, Sojda, R. S., Greenwood, M., Rosenberry, D. O., and Warren, J. M. (2013). "Statistical classification of water levels and hydraulic gradients in a northern rocky mountain wetland complex," *Ecohydrology*, 6(2): 173-181. doi: 10.1002/eco.1252.
56. Werts, J.D., Mikhailova, E.A., Post, C.J., and **Sharp, J. L.** (2013). "Sediment pollution assessment of abandoned developments using remote sensing and GIS," *Pedosphere*, 23(1): 39-47.
57. Dixon, E. J., Corr, A. Q., **Sharp, J. L.**, and Condrasky, M. D., (2013). "Cooking confidence and healthy eating choices of pre-adolescent participants at a cooking camp," *Topics in Clinical Nutrition*, 28(1): 21-33.
58. Luo, P., **Sharp, J. L.**, and DeVol, T. (2013). "Bayesian analysis of time-interval data for environmental radiation monitoring," *Journal of Health Physics*, 104(1): 15-25.
59. You, Q., Chen, F., Wang, X., **Sharp, J. L.**, and You, Y. (2012). "Analysis of phenolic composition of Noble Muscadine by HPLC-UV-MS and the relationship to antioxidant capacity," *Journal of Food Science*, 77(10):1115-1123.
60. Headley, S., Coverdale, J., Jenkins, T. C., Klein, C. M., **Sharp, J. L.**, and Vernon, K. L. (2012). "Dietary supplementation of CLA in horses increases plasma CLA and decreases plasma arachidonic acid, but does not alter body fat," *Journal of Animal Science*, 90:4876-4882.
61. Jones, G., Bouton, A., Jones, K., Cauble, A., Laffitte, L., Dawson, P., Condrasky, M., **Sharp, J. L.** (2012). "Analysis of the effect that holding time has on the perceived sensory quality and acceptability of poached chicken," *Journal of Culinary Science & Technology*, 10(3): 259-270.
62. Luo, P., DeVol, T., and **Sharp, J. L.** (2012). "CUSUM analysis of time-interval data for on-line radiation monitoring," *Journal of Health Physics*, 102(6): 637-645. doi: 10.1097/HP.0b013e3182430106
63. Massa-Isengildina, O. and **Sharp, J. L.** (2012). "Evaluation of USDA interval forecasts revisited: implications of asymmetry on accuracy of corn, soybean, and wheat prices," *Agribusiness: An International Journal*, 28(3): 310-323. doi: 10.1002/agr.21295
64. Cross, R., McCarty, L. B., Estes, A. G., **Sharp, J. L.**, Toler, J. E. (2012). "Annual



bluegrass control in overseeded golf course fairways when mitosis-inhibiting herbicides are not effective," *Applied Turfgrass Science*, doi: 10.1094/ATS-2012-0523-01-RS.

65. Skibins, J. C., Hallo, J. C., **Sharp, J. L.**, & Manning, R. E. (2012). "Quantifying the role of viewing the Denali 'Big 5' in visitor satisfaction and awareness: Conservation implications for flagship recognition and resource management," *Human Dimensions of Wildlife*, 17(2): 112-128.
66. Werts, J., Mikhailova, E., Post, C. and **Sharp, J. L.** (2012). "An integrated webGIS framework for volunteered geographic information and social media in soil and water conservation," *Environmental Management*, 49(4): 816-832. doi: 10.1007/s00267-012-9818-5.
67. **Sharp, J. L.**, Mobley, C. A., Hammond, C., Withington, C., Drew, S., Stringfield, S., and Stipanovic, N. (2012). "A mixed methods sampling methodology for a multi-site case study," *Journal of Mixed Methods Research*, 6(1): 34-54. doi:10.1177/1558689811417133.
68. Withington, C., Hammond, C., Mobley, C., **Sharp, J. L.**, Stipanovic, N., Drew, S., and Stringfield, S. (2012). "Implementing a statewide mandated career pathways/programs of study school reform model: select findings from a multisite case study," *International Journal of Educational Reform* special issue "The Roles of Programs of Study in Pushing toward College and Career Readiness," 21(2): 138-158.
69. You, Q., Chen, F., **Sharp, J. L.**, Wang, X., You, Y., and Zhang, C. (2012). "High-performance liquid chromatography-mass spectrometry and evaporative light-scattering detector to compare phenolic profiles of muscadine grapes," *Journal of Chromatography A*, 1240: 96-103.
70. Warmin, A., Condrasky, M., and **Sharp, J. L.** (2012). "Cooking with a chef: a culinary nutrition program for college-aged students," *Topics in Clinical Nutrition*, 27(2):164-173.
71. Mitchell, N., Eljach, C., Lodge, B., **Sharp, J. L.**, DesJardins, J. D., Kennedy, M. (2012). "Single and reciprocal friction testing of micropatterned surfaces for orthopaedic device design," *Journal of the Mechanical Behavior of Biomedical Materials*, 7: 106-115.
72. Spence, D. J., **Sharp, J. L.**, and Sinn, R. (2011). "Investigation of factors mediating the effectiveness of authentic projects in the teaching of elementary statistics," *Journal of Mathematical Behavior*, 30(4): 319-332. doi: 10.1016/j.jmathb.2011.07.006.

73. Greenwood, M., Sojda, R., **Sharp, J. L.**, Peck, R., and Rosenberry, D. (2011). "Multi-scale clustering of functional data with application to hydraulic gradients in wetlands," *Journal of Data Science*, 9(3): 427-444.
74. Condrasky, M., Hegler, M., and **Sharp, J. L.** (2011). "Application of cooking with a chef for school food service professionals," *Topics in Clinical Nutrition*, 26(2):171-178, April/June. doi: 10.1097/TIN.0b013e31821931ef
75. Gerard, P. D. and **Sharp, J. L.** (2011). "Testing for co-directional interactions using union-intersection and intersection-union methods," *Journal of Applied Statistics*, 38(7): 1347-1358. doi: 10.1080/02664763.2010.498506
76. Condrasky, M. D., Corr, Anne Quinn, **Sharp, J. L.**, Hegler, M., and Warmin, A. (2010). "Culinary nutrition camp for adolescents assisted by dietetic students," *Topics in Clinical Nutrition*, 25(4):362-370, October/December. doi: 10.1097/TIN.0b013e3181faba64.
77. Obbagy, J. E., Condrasky, M., Roe, L. S., **Sharp, J. L.** and Rolls, B. J. (2010). "Chefs' opinions about reducing the calorie content of menu items in restaurants," *Obesity*, doi:10.1038/oby.2010.188.
78. Moreland, J. C., **Sharp, J. L.** and Brown, P. (2010). "Lab-Scale Fiber Spinning Experimental Design Cost Comparison," *Journal of Engineered Fibers and Fabrics*, 5(1), p. 39-49.
79. Luo, P., DeVol, T.A. **Sharp, J. L.** (2010) , "Sequential probability ratio test using scaled time-intervals for environmental radiation monitoring," *IEEE Transactions on Nuclear Science*, 57(3), p.1556-1562. doi: 10.1109/TNS.2010.2045900
80. **Sharp, J. L.**, Borkowski, J. J., Schmoyer, D., Daly, D. S., Purvine, S. Cannon, W. R. and Hurst, G. B. (2009). "Statistically appraising process quality of affinity-isolation experiments," *Computational Statistics & Data Analysis*, 53(5), p. 1720-1726.
81. Gilmore, J. M., Auberry, D. L., **Sharp, J. L.**, White, A. M., Anderson, K. K. and Daly, D. S. (2008). "A Bayesian estimator of protein-protein association probabilities," *Bioinformatics*, doi:10.1093/bioinformatics/btn238.
82. **Sharp, J. L.**, Anderson, K. K., Hurst, G. B., Daly, D. S., Pelletier, D. A., Cannon, W. R., Auberry, D. L., Schmoyer, D. D., McDonald, W. H., White, A. M., Hooker, B. S., Victry, K. D., Buchanan, M. V., Kery, V. and Wiley, H. S. (2007). "Statistically inferring protein-protein associations with affinity isolation LC-MS/MS assays," *Journal of Proteome Research*, 6(9), p. 3788-3795.

### **Book Chapters (Reviewed)**

1. **Sharp, J. L.** and Gerard, P. (2018) Introductory Statistics Refresher, CRC Press  
Mechanobiology Handbook Second Edition, E.Ebong and J. Nagatomi, eds.,

Taylor and Francis, Boca Raton, FL.

2. **Sharp, J. L.** and Gerard, P. (2018). Introductory Statistical Experimental Designs, CRC Press Mechanobiology Handbook Second Edition, E.Ebong and J. Nagatomi, eds., Taylor and Francis, Boca Raton, FL.

### **Conference Proceedings (Reviewed)**

1. Kennedy, M., Lanier, S., Ehlert, K., High, K., Pegues, K., and **Sharp, J. L.** (2016). "Understanding the role of knowledge related to financial resources on decisions to attend graduate school," *Frontiers in Education Conference, IEEE*, 1-5.
2. Revilla, F., Woschkolup, K., Walter, A.A., Hawkins, B.L., Urrea-Mendoza, E., Schmid, A.A., Park, J., **Sharp, J. L.**, & Van Puymbroeck, M. (2016). Therapeutic yoga improves balance and balance confidence in Parkinson's disease [abstract]. *Movement Disorders*, 31(suppl 2). Available at: <http://www.mdabstracts.org/abstract/therapeutic-yoga-improves-balance-and-balance-confidence-in-parkinsons-disease/>
3. Condrasky, M. D., Corr, A., Dixon, E., and **Sharp, J. L.** (2013). "Counselor opinions of cooking behaviors and attitudes at a cooking camp," *International Conference on Culinary Arts and Sciences Conference Proceedings*, Porto University, Portugal.
4. Carlton, M.D., Cross, R.B., McCarty, L.B., Estes, A.G., **Sharp, J.L.**, Toler, J.E., and Totten, F.W. (2012). "Enhancing or replacing dinitroaniline herbicides for annual bluegrass (*Poa annua* L.) control in overseeded golf course fairways," *Proceedings ASA/CSSA/SSSA International Annual Meetings*. [http://scisoc.confex.com/scisoc/2012am/webprogram/Paper70687.html]
5. Tupper, L., Chowdhury, M., and **Sharp, J. L.** (2012). "Tort liability risk prioritization through the use of fault tree analysis," *Transportation Review Board 92nd Annual Meeting*.
6. White, D. L. , **Sharp, J. L.**, Parab, S., Ali, F., Watts, N., Esswein, S., Eidson, G. (2010). "Real-time quality control (QC) processing, notification, and visualization services, supporting data management of the Intelligent River©," *Proceedings of the 2010 South Carolina Water Resources Conference*.

### **Conference Proceedings (Unreviewed)**

1. Weeks, A., Condrasky, M., Darby, D., **Sharp, J. L.**, Coffee, A., and Hurley, A., (2017). "Design of an applied interdisciplinary product development course," *North American Colleges and Teachers of Agriculture*, 61(2).
2. Condrasky, M., Darby, D., Hurley, A., **Sharp, J. L.**, Weeks, A., Halteman, B., and Coffee, A. (2015). "Nutrition-dietetics undergraduates as integral healthy food product development team members," *Journal of the Academy of Nutrition and*

*Dietetics*, 115(9): A59.

3. Condrasky, M., Darby, D., **Sharp, J. L.**, Weeks, A., and Coffee, A. (2014). "Teams of nutrition, food and packaging science undergraduates create healthy food products for children," *Journal of the Academy of Nutrition and Dietetics*, 114(9): A69.
4. Condrasky, **Sharp, J. L.**, and Carter, C. (2014). "Cooking with a chef training with school food service professionals," *Journal of the Academy of Nutrition and Dietetics*, 114(9): A60.
5. Condrasky, M., Corr, A., Dixon, E., and **Sharp, J. L.** (2013). "Enhancing self-efficacy to teach culinary nutrition for dietetic undergraduates," International Conference of Culinary Arts and Sciences Proceedings, ISBN:978-989-8631-08-4.
6. Luo, P., DeVol, T., **Sharp, J. L.** (2009). "Sequential probability ratio test using scaled time-intervals for environmental radiation monitoring. *Nuclear Science Symposium Conference Record (NSS/MIC), 2009 IEEE*, pp.1372-1377.
7. **Sharp, J. L.**, Anderson, K. K., Daly, D. S., Auberry, D. L., Borkowski, J. J., and Cannon, W. R. (2006). "Inferring protein associations using protein pull-down assays," *2006 Proceedings of the American Statistical Association*, Biometrics Section [CD-ROM], Alexandria, VA: American Statistical Association.

### **Research Reports**

1. Hammond, C., Drew, S., Withington, C., Griffith, C., Mobley, C., **Sharp, J. L.**, Stringfield, S., and Stipanovic, N. (2012, August). *Programs of Study as a state policy mandate: a longitudinal study of the South Carolina Personal Pathways to Success initiative – Final technical report (years 1-5)*. Louisville, KY: National Research Center for Career and Technical Education (NRCCTE), University of Louisville, <http://www.nrccte.org>.
2. Hammond, C., Drew, S., Withington, C., Mobley, C., **Sharp, J. L.**, Stringfield, S. C., Stipanovic, N., and Daugherty, L. (2011, August). *Programs of Study as a state policy mandate: A longitudinal study of the South Carolina Personal Pathways to Success initiative - Year 3 technical report*. Louisville, KY: National Research Center for Career and Technical Education (NRCCTE), University of Louisville. <http://www.nrccte.org>
3. Lewis, M. V., Alfeld, C., Hammond, C., Castellano, M., Shumer, R., Bhattacharya, S., Mobley, C., Sundell, K., Digby, C., Withington, C., Overman, L. T., **Sharp, J. L.**, Aliaga, O. A., Drew, S., Stringfield, S., and Kosine, N. Programs of Study Joint Technical Working Group. (2011, July). *Programs of study: Year 3*

*joint technical report*. Louisville, KY: National Research Center for Career and Technical Education (NRCCTE), University of Louisville. <http://www.nrccte.org>

4. Lewis, M. V., Alfeld, C., Hammond, C., Castellano, M., Mobley, C., Sundell, K., Withington, C., Overman, L. T., **Sharp, J. L.**, Drew, S., Stringfield, S., and Kosine, N. Programs of Study Joint Technical Working Group. (2010, January). *Programs of study: Year 2 joint technical report*. Louisville, KY: National Research Center for Career and Technical Education (NRCCTE), University of Louisville. <http://www.nrccte.org>
5. Smink, J., Drew, S., Hammond, C., Withington, C., Mobley, C., **Sharp, J. L.**, Stringfield, S., and Kosine, N. (2010, February). *A longitudinal study of the South Carolina Personal Pathways to Success initiative: Year 2 technical report (2008-2009)*. Louisville, KY: National Research Center for Career and Technical Education (NRCCTE), University of Louisville. <http://www.nrccte.org>
6. Strong, C., Shvetsov, Y., and **Sharp, J. L.** (2005), "Development of a roadway weather severity index," Western Transportation Institute Showcase Evaluation #16, Prepared for the U.S. Department of Transportation Research and Innovative Technology Administration, Unpublished.

#### **Other Scholarly Publications**

1. **Sharp, J. L.** (2012). "An R Companion to Linear Statistical Models Book Review," *The American Statistician*, doi: 10.1080/00031305.2012.726897.
2. Mobley, C., Hammond, C., Withington, C., Stringfield, S., Stipanovich, N., **Sharp, J. L.**, and Drew, S. (2012). "Developing POS via a statewide career focused reform policy," *Techniques* (January): 24-27.

#### **PRESENTATIONS:**

##### **Invited**

1. **Sharp, J. L.** (2016). "The Union of Scientific Collaboration with Statistics Research and Teaching," Colorado State University, Fort Collins, CO: 4 March.
2. **Sharp, J. L.** (2015). "Developments in Statistical Application and Methodology Resulting From Scientific Collaborations," University of Louisville, Louisville, KY: 13 November.
3. **Sharp, J. L.** (2015). "The Union of Statistics Teaching, Research, and Collaboration," University of Florida, Gainesville, FL: 23 July.
4. **Sharp, J. L.** (2015). "Exploring the Challenges of Statistically Analyzing Streaming Data," Southern Methodist University, Dallas, TX: 6 February.
5. **Sharp, J. L.** (2015). "Advancing the Strategic Plan in 2015," North Texas

Chapter of the American Statistical Association, Dallas, TX: 5 February.

6. **Sharp, J. L.**, Gerard, P. D., and Wrenn, J. E. R. (2014). "Perceptions of the value of statistical consulting in a university setting," International Conference on Advances in Interdisciplinary Statistics and Combinatorics, Greensboro, NC: 10 October.
7. **Sharp, J. L.** (2014). "The delicate balance: advancement for a collaborative statistician in a traditional academic appointment," Joint Statistics Meetings, Boston, MA, 7 August.
8. **Sharp, J. L.** (2013). "Teaching statistics to students in other disciplines," Conference on Statistics in Other Disciplines, Ho Chi Minh City, Vietnam, 6 June.
9. **Sharp, J. L.** (2012). "Statistically inferring protein-protein associations from affinity isolation LC-MS/MS experiments," Medical University of South Carolina, Charleston, SC, 23 April.
10. **Sharp, J. L.** (2012). "Scientific collaboration, statistical application, and statistical methodology development: three interacting factors," Kansas State University, Manhattan, KS, 22 February.
11. **Sharp, J. L.** (2011). "Statistically inferring protein-protein associations from affinity isolation LC-MS/MS experiments," NCCC-170: Research Advances in Agricultural Statistics Annual Meeting, Purdue, IN, 7-8 July.
12. **Sharp, J. L.** and Gerard, P. D. (2010). "Testing for co-directional interactions using union-intersection and intersection union tests," University Statisticians of Southern Experiment Stations Conference, Ames, IA, 7-9 July.
13. **Sharp, J. L.** and Gerard, P. D. (2010). "Testing for co-directional interactions using union-intersection and intersection-union tests," International Indian Statistical Association Joint Statistical Meeting. Visakhapatnam, India. 4-8 January.
14. **Sharp, J. L.** (2008). "Statistical proteomics," Oak Ridge National Laboratory, Oak Ridge, Tennessee, 14 August.
15. **Sharp, J. L.** (2008). "Estimating Bayes' odds for protein-protein interactions," Institution of Mathematical Statistics New Researchers Conference, Boulder, Colorado, 30 July.

### **Contributed**

1. Carneveale, M., Jones, J., Li, G., and **Sharp, J. L.** (2017). "Quantifying stress and strain in the canine sacroiliac joint using computed tomography and finite

element analysis," International Working Dog Conference, Banff, Alberta, Canada: 2-6 April.

2. Van Puymbroeck, M., Mendoza, E. U., Revilla, F., Woschkolup, K., Schmid, A., Walter, A., Hawkins, B. and **Sharp, J. L.** (2016). "Functional improvements in Parkinson's Disease following therapeutic yoga," 93rd Annual Conference of American Congress of Rehabilitation Medicine, Chicago, IL: 30 October-4 November.
3. Mendoza, E. U., Van Puymbroeck, M., Revilla, F., Woschkolup, K., Schmid, A., Walter, A., Hawkins, B. and **Sharp, J. L.** (2016). "Effectiveness of yoga in decreasing symptoms and improving quality of life in Parkinson's Disease," 93rd Annual Conference of American Congress of Rehabilitation Medicine, Chicago, IL: 30 October-4 November.
4. Kennedy, M., Lanier, S., Ehler, K., High, K., Pegues, K., and **Sharp, J. L.** (2016). "Understanding the role of knowledge related to financial resources on decisions to attend graduate school," Frontiers in Education Conference, Erie, PA: 12-15 October.
5. Revilla, F., Woschkolup, K., Walter, A.A., Hawkins, B.L., Urrea-Mendoza, E., Schmid, A.A., Park, J., **Sharp, J. L.**, & Van Puymbroeck, M. (2016). "Therapeutic yoga improves balance and balance confidence in Parkinson's disease," 20th International Parkinson's Disease and Movement Disorder Society, Berlin, Germany: 19-23 June.
6. Bracho, R. and **Sharp, J. L.** (2015). "Long-term carbon fluxes in southeastern U.S. pine ecosystems," American Geophysical Union, San Francisco, CA: 14-18 December.
7. Wang, Z., Fraser, A., **Sharp, J. L.**, Lapinski, M., Quilliam, E., and Balogh, B. (2015). "Risk perceptions, efficacy beliefs, and serving practices of South Carolina school foodservice managers," International Association for Food Protection Meeting, Portland, OR: 25 July.
8. Jayasakera, L., Leone, C., **Sharp, J. L.**, Fraser, A. (2015). "Environmental sanitation in food preparation areas in long-term care facilities in South Carolina," International Association for Food Protection, Portland, OR: 25 July.
9. Tang, C., Leone, C., Dharmasena, M., **Sharp, J. L.**, Jiang, X., and Fraser, A. (2015). "Prevalence of human Noroviruses in commercial retail food and foodservice establishments without a recently reported outbreak of acute gastroenteritis," International Association for Food Protection, Portland, OR: 25 July.
10. **Sharp, J. L.**, Smith, J., and Park, D. (2015). "Exploring challenges encountered with 'streaming data' analyses," Kansas State Statistics in Agriculture Conference, Manhattan, KS: 28 April.

11. Jayasakera, L., Fraser, A., Miller, C., and **Sharp, J. L.** (2014). "Evaluation of prevention and control strategies of noroviruses in skilled-nursing facilities in South Carolina," American Public Health Association Conference, New Orleans, LA: 15-19 November.
12. Lund, R.L., Bowman, D. D., Brown, H., Malone, J. B., McMahan, C., **Sharp, J. L.**, Wang, D. (2014). "Forecasting annual canine heartworm prevalence in the United States," American Association of Veterinarian Parasitologists, Denver, CO: 26-29 July.
13. McMahan, C., Bowman, D. D., Brown, H., Lund, R.L., Malone, J. B., **Sharp, J. L.**, Wang, D. (2014). "Factors influencing the seroprevalence of canine Anaplasmosis in the United States," American Association of Veterinarian Parasitologists, Denver, CO: 26-29 July.
14. Tupper, L., Chowdhury, M., and **Sharp, J. L.** (2014). "Tort liability risk prioritization through the use of fault tree analysis," Transportation Research Board Annual Meeting, Washington, DC: 12-16 January.
15. Lund, R., **Sharp, J. L.**, Wang, D. (2013). "Update from the 'Modelers'," CAPC Board meeting, Portland, OR: 19 October.
16. Bowman, D. D., Nelson, T., Wang, D., **Sharp, J. L.**, and Lund, R. (2013). "Factors influencing canine heartworm, *Dirofilaria immitis*, in the United States," American Heartworm Society, New Orleans, LA: September 8.
17. Taylor, I., **Sharp, J. L.**, White, D. L., Hallstrom, J. O., von Oehsen, J. B., Duffy, E., Eidson, G., Privette, C., Cook, C. T., Sampath, A., Radhakrishnan, G. (2013). "Monitoring sensor measurement anomalies of streaming environmental data using a local correlation score," The 4th International Conference on Computing for Geospatial Research & Application, San Jose, CA: 22-24 July.
18. Isengildina, O., MacDonald, S., Xie, R., and **Sharp, J. L.** (2013). "Smoothing in USDA's commodity forecasts," NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, MO: 22 April.
19. Lund, R., **Sharp, J. L.**, Wang, D. (2013). "The 2013 canine parasite forecast," CAPC Board meeting, Atlanta, GA: 23 March.
20. Eidson, G. W., Esswein, S. T., Flite, O. P., Geist, R. M., Goasguen, S., Hallstrom, J. O., Jayakaran, A. D., Post, C. J., **Sharp, J. L.**, Tessoroff, J., Wang, K. C., White, D. L. (2012). "Moving forward: refinement of the Intelligent River, a basin-scale monitoring instrument," South Carolina Water Resources Conferences, October.
21. Taylor, R., Breazel, E., and **Sharp, J. L.** (2012). "Tools for two common mistakes of the AP Exam: helping students to distinguish between sample statistics and population inferences and how to read statistical computer output,"



AP Annual Conference, Orlando, FL, 18-20 July.

22. Bagwell, M., **Sharp, J. L.**, Isengildina, O. (2012). "Interval forecast comparisons: USDA versus ISU hog prices," International Forecasting Conference, Boston, MA: 25 June.
23. Hammond, C., Withington, C., Drew, S., Mobley, C., **Sharp, J. L.**, Stringfield, S., and Stipanovic, N. (2012). "Changes in Career and Technical Education awareness and participation in a mandated Programs of Study school reform environment: third year results," American Educational Research Association (AERA) Annual Meeting, Vancouver, BC, 13- 17 April.
24. **Sharp, J. L.** (2012). "Graduate student research opportunities," First-year graduate student seminar, Clemson, SC, 9 April.
25. Kennedy, M. S., Chen, G., **Sharp, J. L.**, Bruce, T., and Dean, D. (2012). "Response of mice 7F2 osteoblast and porcine dental pulp stem cells to substrate topography," TMS Annual Meeting – Biological Materials Science Symposium, Orlando, FL, 11-15 March.
26. Headley, S. Coverdale, J., Jenkins, T., Boone, L., **Sharp, J. L.**, Vernon, K. (2011). "Dietary supplementation of conjugated linoleic acid in horses." Equine Science Society, Murfreesboro, TN, 31 May - 3 June.
27. Werts, J., Mikhailova, E., Post, C. and **Sharp, J. L.** (2011). "Silverlight web mapping interface for assessment of abandoned developments," ESRI Southeast Regional User Group, Jacksonville, FL, 2-4 May.
28. Hammond, C., Stipanovic, N., **Sharp, J. L.**, Withington, C., Mobley, C., Drew, S. and S. Stringfield (2011). "A longitudinal study of the South Carolina personal pathways to success initiative" in Symposium: Programs of Study: Multiple Approaches Examining the Implementation of a Federal Policy on Career Preparation," American Educational Research Association Conference, New Orleans, 8 - 12 April.
29. Swiger, C., Boys, K., **Sharp, J. L.**, Hughes, D. W. (2011). "Food Access in the Palmetto State: Identifying potential food desert/food imbalance areas in South Carolina," Southern Regional Science Association Annual Meeting, New Orleans, LA, 23-27 March.
30. Stone, J., Drew, S., Castellano, M., Alfred, C., Hammond, C., Withington, C., Mobley, C., **Sharp, J. L.**, Stringfield, S., and Stipanovic, N. (2010). "Programs of Study: Early lessons from three field-based studies," Association for Career and Technical Education Conference, Las Vegas, NV: 30 November-4 December.
31. Werts, J.D., E. A. Mikhailova, C. J. Post, **Sharp, J. L.** (2010). "Sediment pollution assessment of abandoned developments using remote sensing and

- GIS,” ASA-SSSA-CSSA Annual Meeting in Long Beach, CA. 1-4 November.
32. Calabria, J., Bruton, J., English, W., Brown, B., **Sharp, J. L.**, Post, C., (2010). “Stream Restoration in the Southeast: Connecting Communities with Ecosystems, Benthic macroinvertebrates response to imperviousness: Rapid Bioassessment findings in the Southern Appalachians,” NCSU, Raleigh, NC: 16 November.
33. Werts, J., Mikhailova, E.A., Post, C.J., and **Sharp, J. L.** (2010). “Field verification of land use/land cover change for soil erosion analysis through ArcPad, GPS, integrated high resolution digital photos, and public web interface,” In Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA Annual Meeting in Long Beach, CA. 31 October- 3 November.
34. Peckham, J. G., Kropp, J. D., and **Sharp, J. L.** (2010). “Environmental impacts of U.S. agriculture direct payments. Economics and management of risk in agricultural resources,” SCC-76 Economics and Management of Risk in Agriculture and Natural Resources Meeting, Destin, FL, 18-20 March.
35. Rodrian, A. J., Marra, P. P., Lanham, J. D., **Sharp, J. L.**, Baldwin, R. F., and Marsh, C. P. (2010). “The effects of supplemental feeding on eastern bluebird fecundity and fledgling life history,” 128th Stated Meeting of the American Ornithologists' Union, San Diego, California. 7 - 11 February.
36. Obbagy, J. E., Condrasky, M. D., **Sharp, J. L.**, and Rolls, B. J. (2009). “Chef’s opinions on decreasing the calorie content of menu items in restaurants,” Obesity 2009: The 27<sup>th</sup> Annual Scientific Meeting of the Obesity Society, Washington, D.C., 24-28 October.
37. **Sharp, J. L.**, Borkowski, J. J., Schmoyer, D., Daly, D. S., Purvine, S., Cannon, W. R., and Hurst, G. B. (2009). “Statistically appraising affinity-isolation experiment process quality.” Eastern North American Region International Biometric Society Meeting, San Antonio, Texas, 18 March.
38. **Sharp, J. L.**, Anderson, K. K., Daly, D. S., Borkowski, J. J., Hurst, G. B., and Cannon, W. R. (2008). “Bayes’ odds estimation for protein-protein interactions,” Joint Statistical Meetings, Denver, Colorado, 4 August.
39. Sojda, R. S., Buxton, R. H., Pierce, K. L., **Sharp, J. L.**, Rosenberry, D. O., and Warren, J. M. (2008). “Lower Red Rock Lake and adjacent wetlands: preliminary understanding of their geohydrology,” Montana Chapter of the Wildlife Society Joint Meeting, Missoula, MT 25 – 29 February.
40. **Sharp, J. L.** (2007). “New statistical methods for analyzing proteomics data from affinity isolation LC-MS/MS experiments,” Montana State University, Bozeman, Montana, 5 July.

41. Sojda, R. S., **Sharp, J. L.**, Buxton, R. H., Rosenberry, D. O., and Warren, J. M. (2007). "Methods for documenting surface and groundwater patterns in a northern Rocky Mountain wetland complex," Society of Wetland Scientists Annual International Meeting, Sacramento, California, 12 June.
42. **Sharp, J. L.** (2006). "Inferring protein-protein associations using pull-down assay experiments," Clemson University, Clemson, South Carolina, 21 November.
43. **Sharp, J. L.** (2006). "Inferring protein-protein associations using a likelihood ratio test and empirical Bayes' odds," Mathematical Sciences DynaLite Seminar, Montana State University, Bozeman, Montana, 13 November.
44. **Sharp, J. L.** (2006). "Statistical methods to infer protein-protein associations using protein pull-down assay experiments," Montana State University, Bozeman, Montana, 7 November.
45. **Sharp, J. L.** (2006). "Classifying proteins from pull-down assays while controlling the false discovery rate," Montana Chapter of the American Statistical Association Meetings, Butte, Montana, 19 September.
46. **Sharp, J. L.**, Anderson, K. K., Daly, D. S., Auberry, D. L., Borkowski, J. J., and Cannon, W. R. (2006). "Inferring protein associations using protein pull-down assays," Joint Statistical Meetings, Seattle, Washington, 5 – 10 August.
47. Ferryman, T. A., Matzke, B. D., Wilson, J. E., **Sharp, J. L.**, Greitzer, F. L., and Hilferty, E. (2005). "Engine removal projection (ERP) tool," Intelligent Ships Symposium VI, Villanova, Pennsylvania, 1 – 2 June.
48. **Sharp, J. L.** and M. Hamilton (2005). "What is the 'detection limit' when using dilution series methods for counting bacteria?" Center for Biofilm Engineering Technical Advisory Conference, Bozeman, Montana, 2 – 4 February.

## **Poster**

1. Gerstner, Z., Casanova, E. L., Sharp, J. L., Casanova, M. F., and Feltus, A. (2017). "Widespread genotype-phenotype correlations in intellectual disability associated with specific comorbidities and secondary clinical phenotypes," Clemson Biological Sciences Annual Student Symposium, Clemson, SC: 25 February.
2. Sanders, S. R., Jones, J. C., Rowland K. L., and **Sharp J. L.** (2016). "Comparison of canine lumbosacral angle measurement techniques for standardized flexion and extension positions using computed tomography,"

Scientific Conference of the American College of Veterinary Radiology, Orlando, FL: 19-22 October.

3. Rowland, K., Jones, J., and **Sharp, J. L.** (2016). "Effects of flexion versus extension positioning on computed tomographic paraspinal muscle transverse area measurements in working dogs," Scientific Conference of the American College of Veterinary Radiology, Orlando, FL: 19-22 October.
4. Walter, A.A., Hawkins, B.L., Park, J., Van Puymbroeck, M., Woschkolup, K., Revilla, F., Urrea-Mendoza, E., Schmid, A.A., Park, J., and **Sharp, J.L.** (2016). "Therapeutic yoga improves balance and balance confidence for people with Parkinson's Disease," College of Behavioral, Social, and Health Sciences Research Forum, Clemson, SC: 20 April.
5. Schmalz, D. L., **Sharp, J. L.**, Scott, J. D., Eichhorn, P., Osteen, B., Wells, S. B., Miller, M., and Perry, B. (2016). "Experiences of weight related discrimination among pre- and post-operative bariatric surgery patients: the STIGMA study," College of Behavioral, Social, and Health Sciences Research Forum, Clemson, SC: 20 April.
6. Mikhailova, E. A., Post, C.J., **Sharp, J. L.**, Brown, M., Buckfelder, E., Donohue, R., Duffy, K., Dukart, Y., Lister, V., McNeely, K., Moore, F., and Williams, G. (2016). "Soil inventory of private lands in South Carolina," Eleventh Annual Focus on Creative Inquiry (FoCI) Forum, Clemson, SC: 7 April.
7. Scott, J. D., Schmalz, D. L., **Sharp, J. L.**, Eichhorn, P., Osteen, B., Wells, S. B., Miller, M., and Perry, B. (2016). "Current study design to measure weight related discrimination among pre- and post-operative bariatric surgery patients: the STIGMA study," Greenville Health System Medical Education Day, Greenville, SC: March.
8. Walter, A.A., Woschkolup, K., Revilla, F., Hawkins, B.L., Urrea-Mendoza, E., Schmid, A.A., Park, J., **Sharp, J.L.**, and Van Puymbroeck, M. (2016). "Balance and Balance Confidence Improves Following Therapeutic Yoga for People with Parkinson's Disease," 12th Annual South Carolina Aging Research Network. Charleston, SC: 26 February.
9. Chandler, R. D., Mikhailova, E.A., Post, C.J., Moysey, S. M., Schlautman, M.A., and **Sharp, J.L.** (2016). "Soil organic carbon variability in soils of Upstate New York," Clemson Biological Sciences 8th Annual Student Symposium, Clemson, SC: 20 February.
10. Zurqani, H., Mikhailova, E.A., Post, C.J., Schlautman, M.A., and **Sharp, J.L.** (2016). "Predicting plan sensitivity to salt affected soils in Libya," Clemson Biological Sciences 8th Annual Student Symposium, Clemson, SC: 20 February.
11. Stiglitz, R., Mikhailova, E.A., Post, C.J., Schlautman, M.A., and **Sharp, J.L.** (2016). "Teaching soil color identification using an inexpensive color sensor,"

Clemson Biological Sciences 8th Annual Student Symposium, Clemson, SC: 20 February.

12. Cope, M.P., Mikhailova, E.A., Post, C.J., **Sharp, J.L.**, McMillan, P.D., and Schlautman, M.A. (2016). "Preliminary analysis of flowering in relation to extreme weather," Clemson Biological Sciences 8th Annual Student Symposium, Clemson, SC: 20 February.
13. Solomons, A., Mikhailova, E., Post, C., and **Sharp, J.L.**, (2015). "Using low-cost thermal cameras to validate LiDAR-based predictions of flow through the riparian buffer zones," Poster No. 1203. In Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA Annual Meeting, Minneapolis, MN: 15-18 November.
14. Mikhailova, E., Hagan, D., **Sharp, J. L.**, Allerton, T., Burdette, K., Mealing, V., Ritter, B., Solomons, A., and R. Stiglitz. (2015). "Soil and Plant Tissue Analysis of *Sericea lespedeza* (*Lespedeza cuneata*) Invasion Around Lake Issaqueena," SC. Poster No. 1124. In Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA Annual Meeting, Minneapolis, MN: 15-18 November.
15. Mikhailova, E., Hagan, D., **Sharp, J. L.**, Allerton, T., Burdette, K., Mealing, V., Ritter, B., Solomons, A., and R. Stiglitz. (2015). "Soil and Plant Tissue Analysis of Japanese stiltgrass (*Microstegium vimineum*) Invasion Around Lake Issaqueena, SC. Poster No. 1123. In Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA Annual Meeting, Minneapolis, MN: 15-18 November.
16. Condrasky, M., Halteman, B., Weeks, A., Darby, D., **Sharp, J. L.**, and Coffee, A. (2015). "Applied Interdisciplinary product development for sophomore students," NACTA, Athens, GA: 16-19 June.
17. Condrasky, M. **Sharp, J. L.**, Corr, A., and Halteman, B. (2015). "Application of a healthy eater prototype with adolescents at cooking camp," ICCAS, Montclair, NJ: 3-5 June.
18. Condrasky, M., **Sharp, J. L.**, Buckner, and Komar (2015). "School food service professionals training model with nutrition educator and chef team," ICCAS, Montclair, NJ: 3-5 June.
19. Condrasky, M., Weeks, A., Darby, D., **Sharp, J. L.**, Coffee, A., and Halteman, B. (2015). "Applied Interdisciplinary Product Development for Sophomore Students Focusing on Childhood Nutrition," Research Chef's Association, New Orleans, LA: 26 March.
20. Condrasky, M., Weeks, A., Darby, D., **Sharp, J. L.**, Coffee, A., and Halteman, B. (2015). "Applied Interdisciplinary Product Development for Sophomore Students Focusing on Childhood Nutrition," SCAND, Columbia, SC: 4-5 March.
21. Kerrison, A., Condrasky, M., **Sharp, J. L.**, and Griffin, S. (2015). "Pilot study budget-tailored culinary nutrition education program for undergraduate food

science and nutrition students," SCAND, Columbia, SC: 4-5 March.

22. Solomons, A.G., Mikhailova, E.A., Post, C.J., and **Sharp, J. L.** (2015). "Using low-cost thermal cameras to validate LiDAR-based predictions," Clemson Biological Sciences 7th Annual Student Symposium, Clemson, SC: 28 February.
23. Quinn, W. and **Sharp, J. L.** (2014). "Impact of the Family Solutions Program on Student Outcomes for Truant Students in Horry County, South Carolina Schools," Society for Research in Child Development Conference, Prague, Czech Republic: 23-25 October.
24. Condrasky, M., **Sharp, J. L.**, and Carter (2014). "Cooking with a Chef training with school food service professionals," FNCE, Atlanta, GA: 20 October.
25. Condrasky, M., Darby, D., **Sharp, J. L.**, Coffee, A., and Weeks, A. (2014). "Teams of nutrition, food and packaging science undergraduates create healthy food products for children," FNCE, Atlanta, GA: 20 October.
26. Gerard, P. D., Wrenn, J. E. R., and **Sharp, J. L.** (2014). "Identifying the perceived value of statistical consulting in a university setting," Joint Statistics Meetings, Boston, MA: 4 August.
27. Drennan, K., Wiesinghe, D., White, S., White, D., Menchyk, N., **Sharp, J. L.**, Vincent, E. and Park, D.M. (2014). "Soil Temperature and Moisture Differentials from Concrete Sidewalks," The 14th American Ecological Engineering Society Meeting, Charleston, SC: 10 June.
28. Condrasky, M. D., Abdulsalam, N., **Sharp, J. L.**, Moorachian, M. E., Coffee, A. (2014). "Design evaluation of perceptions of culinarians to knowledge of nutrition science and trends," Research Chefs Association, Portland, OR: March.
29. Condrasky, M. D., Dixon, E., Corr, A., Kemper, K., and **Sharp, J. L.** (2013). "Menu planning plate website assists children to healthier eating," Food and Nutrition Conference and Expo, Houston, TX: October.
30. Taylor, I., **Sharp, J. L.**, White, D. L., Hallstrom, J. O., and Eidson, G. (2012). "A local correlation score to monitor sensor drift of real-time environmental data," South Carolina Water Resources Conference, Columbia, SC: 10-11 October.
31. Njuguna, J., **Sharp, J. L.**, Esswein, S., Sampath, A., Hallstrom, J. O., Eidson, G. (2012). "Data quality assessment using a sliding window cumulative sum control chart," South Carolina Water Resources Conference, Columbia, SC: 10-11 October.
32. Condrasky, M., Corr, A., Dixon, E., **Sharp, J. L.** (2012). "Opinions of practicing dietitians from a cooking camp as undergraduates," Annual Meeting of the Academy of Nutrition and Dietetics, Food, Nutrition Conference and Expo, Philadelphia, PA, 6-9 October.
33. Condrasky, M., Dixon, E., Corr, A., **Sharp, J. L.** (2012). "Culinary nutrition skill

development of pre-adolescent cooking camp participants,” Annual Meeting of the Academy of Nutrition and Dietetics, Food Nutrition Conference and Expo, Philadelphia, PA, 6-9 October.

34. Condrasky, M., Wilcox, S., **Sharp, J. L.**, Carter, C. (2012). “Culinary nutrition workshop for faith, activity, and nutrition program,” Society for Nutrition Education and Behavior, Washington, DC July Vol. 44, No 4S.
35. Madadi, O., **Sharp, J. L.**, Kurz, M. E., Taaffe, K. M., and Mason, S. J. (2012). “An analysis of the facility selection process in risk-neutral vs. risk-averse decision making,” Clemson University Department of Industrial Engineering Annual Research Poster Competition, Clemson, SC, 13 April.
36. Pamplin, R., Mikhailova, E.A., Post, C. J., McMillan, P. D., **Sharp, J. L.**, and Cox, S.K. (2012). “Multitemporal floristic analysis of the shores of Lake Issaquena, South Carolina,” 73rd Annual Meeting of the Association of Southeastern Biologists (ASB), University of Georgia, Athens, GA, 4-7 April.
37. Pamplin, R. P., Mikhailova, E. A., Post, C. J., McMillan, P. D., **Sharp, J. L.**, and Cox, S. K. (2012). “Multitemporal floristic analysis of the shores of Lake Issaquena, SC,” Southeast Ecology and Evolution Conference, Clemson, SC, 2-4 March.
38. Werts, J., Mikhailova, E.A., Post, C.J., and **Sharp, J. L.** (2011). “An integrated WebGIS framework for volunteered geographic information and social media in soil and water conservation,” ASA, CSSA, and SSSA Annual Meeting in San Antonio, TX, 16-19 October.
39. Eljach, C. J., Mitchell, N., Lodge, B., **Sharp, J. L.**, Kennedy, M., and DesJardins, J. D. (2011). “Friction testing of stainless steel micropatterned surfaces for orthopaedic bearing surfaces.” Biomaterials Day sponsored by the Society for Biomaterials, Clemson, SC, 1 October.
40. Luo, P., DeVol, T. and **Sharp, J. L.** (2011). “CUSUM analyses of time-interval data for on-line radiation monitoring.” Health Physics Society Meeting, Palm Beach, FL, 26-30, June.
41. Westray, L., Swiger, C., **Sharp, J. L.**, Mobley, C., Hammond, C., Withington, C., Drew, S., Stringfield, S., and Stipanovic, N. (2011). “Career and Technical Education (CTE) participants vs. non-CTE participants: a comparison from student survey findings.” College of Health, Education, and Human Development Research Forum, Clemson, SC, 28 April.
42. Green, L., Mikhailova, E., C.J. Post, and **J. L. Sharp** (2011). “Soil inventory of two residential properties in Columbia, SC.” Minorities in Agriculture, Natural Resources and Related Sciences (MANRRS) 26th Annual Career Fair and Training Conference in Overland Park, KS, 31 March-2 April.

43. **Sharp, J. L.** and Bridges, W. C. (2011). "Regression parameter estimate adjustments with the addition of correlated and/or interacting variables." Eastern North American Region of the Biometrics Society. Miami, FL, 20 March.
44. Luo, P., **Sharp, J. L.**, and DeVol, T. (2011). "Modified time-interval analysis via Bayes' theorem for environmental radiation monitoring." 44th Health Physics Society Midyear Meeting, Charleston, SC, 6 - 9 February.
45. Mikhailova, E.A., **Sharp, J. L.**, Post, C., and B. Speziale (2010). "Undergraduate Creative Inquiry research opportunities in soil science at Clemson University." In Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA Annual Meeting in Long Beach, CA, October 31-November 3.
46. Werts, J., Mikhailova, E.A., Post, C.J., and **Sharp, J. L.** (2010). "Sediment pollution assessment of abandoned developments using remote sensing and GIS." S.C. Water Resources Conference: Science and Policy Challenges for a Sustainable Future, Columbia, SC, October 13-14.
47. Luo, P., **Sharp, J. L.**, and DeVol, T. A. (2010). "Bayesian analysis of time-interval data for environmental radiation monitoring." Nuclear Science Symposium, Medical Imaging Conference, and 17th Room Temperature Semiconductor Detector Workshop, Knoxville, TN, 30 October - 6 November.
48. Swiger, C., **Sharp, J. L.**, and Bridges, W. C. (2010). "Modeling apartment characteristic valuations." Joint Statistical Meetings, Vancouver, BC, 2-5 August.
49. Isengildina-Massa, O., **Sharp, J. L.**, Zhang, J., and Campbell, W. (2010). "Evaluation of asymmetries in USDA interval forecasts of corn, soybean and wheat prices." AAEA, CAES, & WAEA Joint Annual Meeting. Denver, CO, 25-27 July.
50. Werts, J.D., Mikhailova, E.A., Post, C.J., and **J.L. Sharp** (2010). "Sediment pollution assessment of abandoned developments using remote sensing and GIS." Conference on Emerging Issues 3 Along Urban-Rural Interfaces, Atlanta, GA, April 11-14. Published in Proceedings on page 155.
51. Eddy, C. H., Mikhailova, E. A., Post, C. J., and **Sharp, J. L.** (2010). "Soil inventory of La Cancion del Viento, Newberry, SC." Focus on Creative Inquiry Symposium, Clemson University, SC, 12 April.
52. Boone W. W., Mikhailova, E. A., and **Sharp, J. L.** (2010). "Soil suitability for pecan trees on a residential plot in Rock Hill, SC." Focus on Creative Inquiry Symposium, Clemson University, SC, 12 April.
53. Anderson A.C., Mikhailova, E. A., and **Sharp, J. L.** (2010). "Soil inventory of Saddle Tree Court, Greenville, SC." Focus on Creative Inquiry Symposium, Clemson University, SC, 12 April.



54. Luo, P., DeVol, T. A., and **Sharp, J. L.** (2009). "Sequential probability ratio test (SPRT) using scaled time-intervals for environmental radiation monitoring." Nuclear Science Symposium Medical Imaging Conference. Orlando, Florida. 25-31 October.
55. Gerard, P. D. and **Sharp, J. L.** (2009). "Testing for co-directional and anti-directional interactions using union-intersection and intersection-union methods." Joint Statistical Meetings, Washington, D. C., 3 August.
56. Smink, J., Drew, S., Hammond, C., Withington, C., McMillan, R., Mobley, C., **Sharp, J. L.**, Ewing, A., Stringfield, S. and Kosine, N. (2009). "A sampling design for a longitudinal study of the South Carolina personal pathways to success initiative." Health Education and Human Development Research Forum, Clemson, SC, 24 April.
57. Mikhailova, E.A., Barfield, M.A., **Sharp, J. L.**, Schlautman, M. A., Post, C. J., and Hall, K. C. (2009). "Effects of compost on major nutrients in an urban Cecil soil." The International Annual Meetings of the American Society of Agronomy (ASA), Crop Science Society of America (CSSA), and Soil Science Society of America (SSSA). Pittsburgh, PA, 1-5 November.  
Focus on Creative Inquiry Symposium, Clemson, SC, 13 April.
58. Kelly, S.M., Mikhailova, E.A., Post, C.J., **Sharp, J.L.**, Cox, S.K., Guynn, D.C. and Cherney, D.. "Evaluation of nutritive value of Pueraria montana (kudzu) during the growing season." The International Annual Meetings of the American Society of Agronomy (ASA), Crop Science Society of America (CSSA), and Soil Science Society of America (SSSA). Pittsburgh, PA, 1-5 November.  
Focus on Creative Inquiry Symposium, Clemson, SC, 13 April 2009.  
The 106<sup>th</sup> Annual Meeting of the Southern Association of Agricultural Scientists, Atlanta, GA, 31 January, 2009.
59. Warmin, A. , Condrasky, M., **Sharp, J. L.**, and Corr, A. (2009). "Cooking camp changing the cooking attitudes and eating habits of 11 to 13 year-old Children." Research Chefs Association Southeastern Regional Conference, Dallas, TX, 4-8 March.
60. Skibins, J. C., Hallo, J. C., Manning, R. E., and **Sharp, J. L.** (2009). "Is It All About the Grizzly? Relationships between wildlife viewing and the visitor experience at Denali National Park." Southeastern Recreation Research Conference, Athens, GA, 22-24 February.
61. Cannon, W. R. , Singhal, M., Daly, D. S., Anderson, K. K., Taylor, R., McCue, L. A., Shah, M. B., Schmoyer, D. D., **Sharp, J. L.** , Hooker, B. S., Hurst, G. B.,

Pelletier, D. A., McDonald, W. H., Buchanan, M. V., and Wiley, H. S. (2008). "Modular structure of protein interactions and protein complexes from *Rhodospseudomonas palustris* based on global analysis of protein affinity isolations." American Society for Mass Spectrometry Conference on Mass Spectrometry and Allied Topics, Denver, CO, 1 – 5 June.

62. **Sharp, J. L.** and J. J. Borkowski (2008). "An alternative approach for analyzing 2 x c tables." Eastern North American Region Spring Meeting, Arlington, VA, 16 – 19 March.
63. Cannon, W. R., McDonald, W. H., Daly, D. S., Schmoyer, D., **Sharp, J. L.**, Auberry, D. L., Victry, K., Saripalli, R., White, A. M., Hurst, G., Shah, M. B., Hooker, B. S., Kery, V., Kennel, S. J., Wiley, S. H., and Buchanan, M. V. (2006). "Computational approaches for aggregating and scoring protein-protein interaction data." Genomes to Life Contractor-Grantee Workshop IV, North Bethesda, MD, 12 – 15 February.
64. Anderson, Kenneth K., Auberry, D. L., Daly, D. S., Kery, V., Larimer, F. W., Schmoyer, D. D. Manesh, B. S., **Sharp, J. L.**, and White, A. M. (2005). "Center for molecular and cellular Systems: statistical screens for datasets from high-throughput protein pull-down assays." Genomes to Life Contractor Grantee Workshop III, Washington D.C., 6 – 9 February.
65. **Sharp, J. L.**, Anderson, K. K., Adkins, J. N., and Daly, D. S. (2004). "Statistical screening for Shewanella protein complexes." Pacific Northwest National Laboratory, Richland, Washington, 4 August.

## HONORS AND AWARDS

Outstanding Chapter Service Award, ASA (2016)  
Parks, Recreation, and Tourism Management Distinguished Service Award  
(2015)  
American Statistical Association Statistical Consulting Section Best Topic  
Contributed Session (2014)  
College of Forestry, Agriculture, and Life Sciences Graduate Teaching Award  
Nominee (2011)  
Project NExT-SE Fellow of the Mathematical Association of American Southeast  
Region (2009)  
Montana State University College of Letters and Sciences Graduate Teaching

Assistant of the Year (2005)  
Montana State University Mathematical Sciences Graduate Teaching Assistant  
of the Year (2001)  
Russell Athletic Equipment Manager's Scholarship (1996, 1997)  
Mortar Board Senior Honor Society (1997)  
University of Evansville Academic Scholarship (1994 – 1998)  
University of Evansville Athletic Equipment Scholarship (1994 – 1998)

## **SPONSORED RESEARCH**

- “Bundling of Culinology, Nutrition and Packaging in Undergraduate Applied Niche Research.” Sponsored by USDA. PI: Margaret Condrasky.  
Co-Investigator, \$178,132 (\$5,250), 09/2012-08/2016
- “Recreation Use and Carrying Capacity Assessments: Studies to Address the FERC Licensing Requirements for the Priest Rapids Hydroelectric Project.” Sponsored by Public Utility District No. 2 Grant County Washington. PI: Jeff Hallo.  
Co-Investigator, \$83,013 (\$10,415), 01/2015-06/2016
- “EFRI-CBE: Emerging Frontiers in 3D Breast Cancer Tissue Test Systems.” Sponsored by NSF. PI: K. Burg  
Co-Investigator, \$115,000 (\$2,300), 04/2013-08/2014
- “Building Capacity to Control Viral Food-borne Disease: A Transitional, Multi-Disciplinary Approach.” Sponsored by USDA and North Carolina State University. PI: Angela Fraser  
Co-Investigator, \$2,438,651, (\$65,345), 06/2011 – 07/2016
- “Identifying the Perceived Value of Statistical Consulting in a University Setting.” Sponsored by the American Statistical Association.  
Principal Investigator, \$5,200, 05/2013-05/2014
- “MRI-R2: Development of the River Basin Panopticon, A Landscape-Scale Monitoring Instrument.” Sponsored by the National Science Foundation (NSF). PI: Jason Hallstrom.  
Co-Investigator, \$3,601,666 (course release), 11/2010 – 10/2016  
Co-Investigator, REU supplement, \$45,000, 05/2012 – 08/2012
- “Six Sigma Applications for Quality and Process Improvement.” Sponsored by Faiveley Transport North America. PI: Rae Cho  
Co-Investigator, \$24,999 (\$5,000), 01/2013-12/2013
- “Nanostructured Surfaces and Surface Coatings for Photovoltaic Cells.” Sponsored by the College of Charleston. PI: O. Thompson Mefford.  
Co-Investigator, \$10,024 (\$1,000), 05/2012-09/2012
- “Course, Curriculum, and Laboratory Improvement: Statistical Analysis of Statistics Curriculum.” Sponsored by NSF and North Georgia College & State University. PI: Dianna Spence  
Advisory Board Member and Statistical Consultant, \$396,993 (\$15,266), 2010-2014

“A Longitudinal Study of the South Carolina Personal Pathways to Success Initiative.” Sponsored by Office of Vocational and Adult Education (OVAE). Funded. PI: Jay Smink.

Statistical Consultant, \$148,672, (\$5,064), 2007 – 2008

Investigator, \$331,602, (\$13,200), 2008 – 2009

Investigator, \$285,677, (\$14,000), 2009 – 2010

Co-Investigator, \$271,822, (\$14,088), 2010 – 2011

Co-Investigator, \$248,614, (\$14,088), 2011 – 2012

“Production and Characterization of Cut Resistant Fibers, Dyeable Fibers Via Acrylic/Copolyaramid Bi-component Wet Spinning.” Sponsored by the U.S. Army. PI: Philip J. Brown. Funded.

Co-Investigator, \$278,341, (\$15,000), 07/2010 – 05/2012

“Hedonic Regression Analysis of Apartment Rent.” Sponsored by TDL Multifamily Developers. Funded.

Principal Investigator, \$3,099, 07/2009 – 08/2009

#### **OTHER SPONSORED ACTIVITY**

Travel Funds to attend NISS/ASA Writing Workshop, \$400, (2012)

Travel Funds to attend “Integrating Computing into the Statistics Curriculum” workshop, \$500, (2010)

AWM-NSF Mentoring Travel Grant, \$5000, (\$5000) (2008)

#### **GRADUATE STUDENT ADVISING**

##### **Doctoral Graduates Advised or Co-advised**

*Clemson University:*

Jinho Cha, Ph.D. (Industrial Engineering). “Re-establishing the Theoretical Foundations of a Truncated Normal Distribution: Standardization, Statistical Inference, and Convolution,” S15. (Co-advised with Dr. Rae Cho)

Dongmei Wang, Ph.D. (Mathematical Sciences), “Some Problems in Veterinary Medicine Disease Mapping,” Su14. (Co-advised with Dr. Robert Lund)

Ran Xie, Ph.D. (Applied Economics & Statistics), “Application of Modern Statistical Tools to Solving Contemporary Economic Problems: Evaluation of the Regional Agricultural Campaign Impact and the USDA Forecasting Efforts,” Su14. (Co-advised with Dr. Olga Isengildina)

##### **Masters Graduates Advised or Co-advised**

*Clemson University:*

Daniel Kuzbary, M.S. (Mathematical Sciences), “Statistically Analyzing Relationships Between Motivation and Persistence in Engineering,” S17.

Elaine Sotherden, M.S. (Mathematical Sciences), “Evaluating Local Correlation Across Multiple Time Series,” F14. (Co-advised with Dr. Colin Gallagher)

Bereket Tesfaldet, M.S. (Mathematical Sciences), “A SAS Macro Implementation of a Test for Co-directional Interaction,” Su14. (Co-advised with Dr. Pat Gerard)

James Wrenn, M.S. (Mathematical Sciences), “Identifying the Perceived Value of Statistical Consulting in an University,” S14.

- James Patterson, M.S. (Mathematical Sciences), "An Evaluation of the Number of Missed Terms for Clemson University Graduate Students," S14.
- Chelsea Snyder, M.S. (Mathematical Sciences), "Two Exploratory Studies: Student Perspectives on Software Used in an Introductory Statistical Computing Course, and An Investigation of Preventive Medical Care Task Complexity," S14.
- William Shipes, M.S. (Mathematical Sciences), "Detecting Outliers in Streaming Data Using EWMA Control Charts," S14.
- Emily Nystrom, M.S. (Mathematical Sciences), "Comparing Error Structures for Statistical Analysis of Functional Magnetic Resonance Imaging Time Series Data," S14. (Co-advised with Dr. Andrew Brown)
- Andrea Egmont, M.S. (Youth Development Leadership), "When Does an Asset Become a Risk Factor? A Look at Adolescent Risk and Protective Factors," F13. (Co-advised with Dr. Robert Barcelona)
- Dan Shao, M.S. (Applied Economics & Statistics), F13. Haotian Feng, M.S. (Applied Economics & Statistics), "Exploratory Data Analysis of Characteristics for a River Basin in South Africa," S13.
- Kyle Grottini, M.S. (Applied Economics & Statistics), "A Contrast of Type 1 Error Rates and Power Using Diversiform Multiple Comparison Procedures," Su12.
- Katherine Collar, M.S. (Applied Economics & Statistics), "A Study of the Impact of the World Trade Organization's Ruling Against the European Union's Trade Policy in the Sugar Sector," Su12. (Co-advised with Dr. Jaclyn Kropp).
- Maria Bagwell, M.S. (Mathematical Sciences), "Interval Forecast Comparisons: USDA vs. ISU Hog Prices," S12.
- Yun Guan, M.S. (Applied Economics & Statistics), "Forecast Interval Comparison," Su11. (Co-advised with Dr. Olga Isengildina).
- Caroline Swiger, M.S. (Applied Economics & Statistics), "A Hedonic Investigation of Apartment Amenity Valuation in the Greenville-Spartanburg-Anderson, South Carolina Metropolitan Area," S10.
- Jing Zhang, M.S. (Applied Economics & Statistics), "Evaluating the Forecasts for Corn, Soybeans, and Wheat," Su09.

### **Current Masters and Dissertation Advising**

#### *Clemson University:*

- Emily Nystrom, Ph.D. (Mathematical Sciences), Su17.
- Elif Can, Ph.D. (Policy Studies), Su17.
- Daniel Kuzbary, M.S. (Mathematical Sciences), S17.

### **Committee Member**

#### **Doctoral Students**

#### *Clemson University:*

Michael Cope (Forestry), S18.  
 Hamdi Zurqani, Ph. D. (Soil Science), S18.  
 Roxanne Stiglitz, Ph.D. (Soil Science), S18.  
 Fidelis Okonwo, Ph.D. (Policy Studies), S18.  
 Matt Huber, Ph.D. (Applied Economics), S18.  
 Stephen Hipp, Ph.D. (Material Science & Engineering), "Production and Characterization of Cut Resistant Acrylic/Copolyaramid Fibers Via Bicomponent Wet Spinning," F15.  
 Michael Finney, Ph.D. (Mathematical Sciences), "Examining Random Effects and Repeated Measures in Matching with Application to Single Gender Versus Coed Classrooms," Su15.  
 Hsin-Li Chan, Ph.D (Industrial Engineering), "Quality by Design for Specifications-Based Robust Design Modeling and Optimization," Su15.  
 Dustin Wilson, Ph.D. (Parks, Recreation, and Tourism Management), "Baby Boomer Visitors in U.S. National Parks: Exploring Age Changes, Activity Selection and Transportation Mode Choice," Su15.  
 Jonathon Kiessler, Ph.D. (Policy Studies), "Property Tax Base Erosion: A South Carolina Study," F14.  
 Suzanne Tabaa, Ph.D. (Bio-Engineering), "Development of a Transport System for Advancing Tissue Engineering and Cell Identification," F14.  
 Awatef Ergai, Ph.D. (Industrial Engineering), "Assessment of the Human Factors Analysis and Classification System (HFACS): Intra-rater and Inter-rater Reliability," F13.  
 Tupper, Lee, Ph.D. (Civil Engineering), "A Tort Liability Risk Prioritization Strategy Through the Use of Fault Tree Analysis," F12.  
 AliReza Madadi, Ph.D. (Industrial Engineering), "Supply Chain Network Design: Risk-averse vs. Risk-neutral Decision Making," F12.  
 Qi You, Ph.D. (Food Science and Nutrition), "Biological Properties Evaluation and Chemical Profiles of Phenolic Compounds," S12.  
 Peng Luo, Ph.D. (Environmental Engineering and Earth Sciences), "Time-Interval Analysis for Radiation Monitoring," F11.  
 Yen-Hui Chen, Ph.D. (Bio-Systems Engineering), "Microalgae Chlorella Protothecoides Fermentation and Supercritical Carbon Dioxide Processing for Biofuel Production," F11.

Sara Familian, Ph.D. (Civil Engineering), "The Relationship of SCDOT Damage Claims and Lawsuits to Roadway Engineering Safety Issues," F11.  
 Geary Robinson, Ph.D. (Environmental Design and Planning), "Disaster Preparedness for University/Community Transit Systems," S11.  
 Barbara Nesbitt, Ph.D. (Educational Leadership), "Expanding a Validated Model: Effects and Antecedents of Student Engagement," S11.  
 Jeff Moreland, Ph.D. (Polymer and Fiber Science), "The Effects of Molecular Orientation and Fiber Morphology on the Cut Resistance of Aramid Copolymers," F10.

Jon Calabria, Ph.D. (Forestry), "Predicting Effects of Imperviousness on Family Biotic Index Values in the Southern Appalachian Headwaters and Resulting Extension Education," Su10.

Guy Ilagan, Ph.D. (Educational Leadership), "Client Motivation and Counseling Outcome in a University Mental Health Clinic," F09.

### **Masters Students**

#### *Clemson University:*

Michael Carneveale, M.S. (Animal and Veterinary Science), F17.

Shanice Krombeen, M.S. (Animal and Veterinary Science), Su17.

Duleeka Arachige, M.S. (Food Science, Nutrition, and Packaging Science), S17.

Shannon Monnier, M.S. (Food Science, Nutrition, and Packaging Science), S17.

Cengiz Koparan, M.S. (Plant and Environmental Science), S17.

Ana Romero, M.S. (Food Science, Nutrition, and Packaging Science), S17.

Krystina Rowland, M.S. (Animal and Veterinary Science), S17.

Sarah Armstrong, M.S. (Food Science, Nutrition, and Packaging Science), S16.

Breanne Halteman, M.S. (Food Science, Nutrition, and Packaging Science), F15.

Allen Solomons, M.S. (Forestry and Natural Resources), Su15.

Lalani Jayasekara, M.S. (Food Science, Nutrition, and Packaging Science), S15.

Adair Kerrison, M.S. (Food Science, Nutrition, and Packaging Science), F14.

Zhangqi Wang, M.S. (Food Science, Nutrition, and Packaging Science), F14.

Chaoyi Tang, M.S. (Food Science, Nutrition, and Packaging Science), F14.

Zachary Miller, M.S. (Parks, Recreation, and Tourism Management), S14.

Alexa Weeks, M.S. (Food Science, Nutrition, and Packaging Science), Su14.

Binbin Li, M.S. (Plant and Environmental Science), Su14.

Gregory Lepak, M.S. (Biosystems Engineering), S14.

Roxane Cummings, M.S. (Youth Development Leadership), F13.

Chris Dempsey, M.S. (Youth Development Leadership), F13.

April Thomas, M.S. (Mathematical Sciences), Su13.

Dave Matthiesson, M.S. (Mathematical Sciences), Su13.

Ryerson Pamplin, M.S. (Forestry and Natural Resources), Su13.

Curtis Walker, M.S. (Forestry and Natural Resources), Su13.

Robert Trevor Samuel III, M.S. (Applied Economics & Statistics), F12.

Shwetha Sivakaminathan, M.S. (Biosystems Engineering), Su12.

Blaine Pflaum, M.S. (Applied Economics & Statistics), Su12.

Elizabeth Dixon, M.S. (Food Science and Nutrition), S12.

Angela Marvin, M.S. (Mathematical Sciences), S12.

Taylor Sink, M.S. (Mathematical Sciences), S12.

Kristyn Lefler, M.S. (Applied Economics & Statistics), S12.

Jon Unsworth, M.S. (Food Science, Nutrition, and Packaging Science), S12.

William Gable, M.S. (Applied Economics & Statistics), F11.

John Boetch, M.S. (Youth Development Leadership), F11.

Shannon Headley, M.S. (Animal & Veterinary Science), Su11.

Kevin Hinson, M.S. (Entymology), S11.

Andrew Hopson, M.S. (Youth Development Leadership), S11.  
Josh Werts, M.S. (Forestry), S11.  
Alexander Clifford, M.S. (Food, Nutrition and Culinary Science), Su10.  
Caroline Davis, M.S. (Animal & Veterinary Science), Su10.  
Janet Gemmill Peckham, M.S. (Applied Economics and Statistics), Su10.  
Emilia Saad, M.S. (Nutrition and Food Science), Su10.  
Federico Sinche, M.S. (Environmental Toxicology), Su10.  
Ping Huang, M.S. (Applied Economics and Statistics), Su09.  
Ryan Sulkowski, M.S. (Youth Development Leadership), S09.  
Daric Riley, M.S. (Youth Development Leadership), S09.

## **TEACHING**

### **Courses Taught** (Beginning Fall 2007)

MTHSC 805, Data Analysis I, F12  
EXST 402/602, Introduction to Statistical Computing, F08, F09, F10, F11, F12,  
F13, F14, S15, F15  
EXST/STAT 801, Statistical Methods, F07, S08, F08, S09, F10, F14, F15  
EXST 801 Online, Statistical Methods Online, S09, S10, S11, S12, S13  
EXST 802, Statistical Methods II, Su11  
EXST 805, Experimental Design, S10, F10, S11  
EXST 819, Biostatistics, F11, F13  
EXST 811, Special Topics in Statistics, F08, S09, Su09, F09, S10, Su10, F10,  
S11, Su11, F11, S12, Su12, F12, S13, Su13, F13, S14, F14, S15  
STAT 8420 Introduction to Statistical Methods, Online, S14, Su14, S15, Su15,  
S16, Su16  
APEC 891, Thesis Research, S09

### **New Course Development**

EXST 402/602, Introduction to Statistical Computing  
EXST 819, Biostatistics  
EXST (STAT) 842, Introduction to Statistical Methods (Online course)

## **UNIVERSITY AND PUBLIC SERVICE**

### **Continuing Education**

“Using Camtasia and Tablets to create recorded lectures for online classes,”  
Presenter (November, 2009).  
“Experimental Design: Concepts and Considerations,” Guest Lecturer, Materials  
Science and Engineering 840 (April, 2012).  
“Experimental design: concepts and considerations,” Presenter, Clemson  
Conservation Center, Charleston, SC (June, 2012).  
“Introductory Statistics Refresher,” Presenter, American Society of Agronomy,



Webinar Series (March, 2014; October, 2014).  
"Introduction to R," Presenter, American Society of Agronomy, Webinar Series (February, 2015).  
"Introductory Statistics," Presenter, Fatty Acid Forum, Online Modules (November, 2015).  
"What is meta-analysis," Presenter, Fatty Acid Forum, Online Modules (April, 2016).

### **Committees**

Department: Member, Mathematical Sciences Graduate Affairs Committee (2016)  
Co-chair, Mathematical Sciences Statistics & Probability Research Seminar Series (2011- 2015)  
Member, Applied Economics & Statistics Graduate Admissions Committee (2010-2011)  
Member, Applied Economics & Statistics Qualifying Exam Committee (2010 - 2011)  
Member, Applied Economics & Statistics Graduate Student Colloquia Organizing Committee (2007 - 2011)

### **MISCELLANEOUS**

#### **Continuing Education Courses**

SC ASA Traveling Course (2015). *Propensity Scores*. Taught by Thomas Love.  
NISS/ASA Workshop (2012). *Writing Workshop*. Facilitated by Keith Crank and Nell Sedransk.  
NSF Workshop (2010). *Integrating Computing Into the Statistics Curricula*. Facilitated by Deb Nolan and Duncan Temple-Lang.  
Workshop at the Kansas State University Statistics in Agriculture Conference.  
(2010) *Applied Survival Analysis*. Taught by Susanne May.  
(2011). *GLMM and "the Basics" – Paradigm Shift or Just My Imagination?* Taught by Walt Stroup.  
(2012). *Applied Bayesian Inference for Agricultural Statisticians*. Taught by Robert J. Tempelman.  
(2015). *Spatio-Temporal Data Analysis*. Taught by Chris Wilke.  
(2016). *Additions and Upgrades in Our Everyday Statistical Toolbox*. Taught by Ralph O'Brien.  
Taking Your Class for a Walk -- Randomly. Webinar participant. Daniel Kaplan, Macalester College presenter. 10/27/09.  
Tutorial at Eastern North American Region Meeting of the Biometric Society (2009). *Mass Spectrometry Based Proteomics*. Taught by Tadesse.  
Continuing Education Program at the Joint Statistical Meetings (2008). *Generalized Linear Mixed Models: Theory and Applications*. Taught by Stroup and Schaubenberger.  
Continuing Education Program at the Joint Statistical Meetings (2008). *General Linear Models*. Taught by Young and Littell.

Updated 03/17