

Don W. Edgar
University of Georgia

Educational Background

<u>Undergraduate Institution(s)</u>	<u>Location</u>	<u>Major</u>	<u>Degree & Year</u>
Tarleton State University	Stephenville, TX	Agricultural Services & Development	B.S. 1992
<u>Graduate Institution(s)</u>			
Tarleton State University	Stephenville, TX	Agricultural Education	M.S. 2003
Texas A&M University	College Station, TX	Agricultural Education	Ph.D. 2007

Employment History

2018-present	Associate Professor in Agricultural Leadership, Education, and Communications. University of Georgia; Athens, GA.
2013-2018	Associate Professor in Agricultural Education, Communication and Technology. University of Arkansas; Fayetteville, AR.
2008-2013	Assistant Professor in Agricultural Education, Communication and Technology. University of Arkansas; Fayetteville, AR.
2007-2008	Assistant Professor in Agricultural Education. South Dakota State University; Brookings, SD.

Honors and Awards

John W. White Award for Outstanding Teaching, Dale Bumpers College of Agriculture, Food and Life Science, 2017
Inductee, University of Arkansas Teaching Academy, 2015
Outstanding Early Career Award, American Association for Agricultural Education, 2014
Early Career Award, Southern Region of the American Association for Agricultural Education, 2014
Alumni Outstanding Advising Award, Dale Bumpers College of Agriculture, Food and Life Sciences, 2015
North American Colleges and Teachers of Agriculture Teaching Fellow, 2013.
Distinguished Manuscript Award – Faculty Division – American Association of Agricultural Education, 2012.
Outstanding Research Presentation – Faculty Division – 1st Place Paper Presentation. *Southern Region Agricultural Education Research Conference*, 2008

Grants Summary

Shoulders, C. W., Edgar, D.W., Graham, D.L., Johnson, D.M., Wardlow, G.W. (2016 – 2019). TEAL: Teaching Enhancement through Academic Laboratories, USDA – PD STEP, \$144,085 (Co – PI)
E. Lensch, J. Pickard, T. Paulsen, C. Shoulders, D. Edgar, D. Johnson, M. Beck, B. Glanz, J. Colletti, C. Rajan. (2014-2016). BP4 Project: Building on Partnerships, Projects, Purpose and Professional Development, USDA-SPECA, \$265,330
Carrier, J.D., Sadaka, S., Johnson, D.M., & Edgar, D.W. (2013). Fueling Diesel Engines with Pyrolytic Bio-Oil and Diesel Emulsions: Feasibility, Performance, Thermal Efficiency, and Oxides of Nitrogen (NO_x) Emissions U.S. Department of Energy, \$82,000 (Co-PI)
Edgar, D.W., Johnson, D.M., Edgar, L.E. (2011). Arkansas Biodiesel Education and Promotion Project - Phase 3(2011). Arkansas Soybean Promotion Board, Funded at \$58,300 (Co-PI).
Edgar, D.W., Johnson, D.M., Wardlow, G.W., Edgar, L.D., and Scott, F.L. (2009). Arkansas Biodiesel Education and Promotion Project - Phase 2 Arkansas Soybean Promotion Board, \$56,300 (Co-PI).
Edgar, L.E., Edgar, D.W., Cox, C., and Miller, J.D. (2012, Visual Communication on the Road in Arkansas: Phase II: Integration of Agricultural Communications into Arkansas High School Curriculum USDA SPECA, \$44,805.
Edgar, L.E., Edgar, D.W., Cox, C., and Miller, J.D. (2010, Visual Communication on the Road in Arkansas: Video and Photo Creative Projects to Promote Agriculture. USDA SPECA, \$33,539.
Johnson, D.M., Wardlow, G.W., and Edgar, D.W. (2008-2010). Biomass-Fueled Engine Performance and Emissions Education – subcontract from U.S. Department of Energy Mid-South Bioenergy Consortium Project \$51,833 (Co-PI).

Professional Service

American Association of Agricultural Education, Southern Region Vice-President (2014 – 2016)
Southern Region of the American Association of Agricultural Education, President (2014 – 2016)
Editor 2013-present, Journal of Southern Agricultural Education Research.
Gamma Sigma Delta chapter of the University of Arkansas, Chair-elect (2015-2016)

Professional Organizations

American Association for Agricultural Education
North American College and Teacher of Agriculture
Gamma Sigma Delta

Refereed Publications/Scholarly Activities:

Referred Journal Articles

- *Bolton, A., Edgar, D.W., and Carter, V.A. (2018). Successful secondary agricultural programs outside the classroom: A view of champions. *Journal of Agricultural Education*, 59(2), 255-274. doi: 10.5032/jae.2018.02255 (* denotes graduate student) (Corresponding Author)
- Hansen, M.J., Edgar, L.D., & Edgar, D.W. (2018). College of agricultural, food, and life sciences international education: Students' preferred location of travel and perceptions of barriers and benefits. *Journal of International Agricultural & Extension Education*, 25(1), 89-99. doi: 10.5191/jiaee.2018.25108
- Edgar, D.W. & Hunt, C.H. (2017). Investigating structure communication between student teachers and cooperating teachers at multiple universities. *Journal of Southern Agricultural Research*, 59(1). Online at <http://jsaer.org/pdf/vol67Whole.pdf> (Corresponding Author)
- Shoulders, C.W., Edgar, D.W., and Bolton A. (2016). Variability versus continuity: Student teachers' perceptions of two university supervision formats. *Journal of Agricultural Education*, 57(2), 173-183. doi:10.5032/jae.2016.02173. (Co-author)
- Siebenmorgan, R.S., Edgar, D.W., Johnson, D.M., & Carter, V. (2016). An evaluation of teaching methods based on cognitive achievement. *Journal of Agricultural Systems and Technology Management* 27(1), 1-14. (Graduate student advisor and corresponding author).
- Johnson, D. M., Edgar, D. W., Edgar, L. D., Pate, M. L., & Steffen, R. W. (2015). Biodiesel: Awareness, use, and perceptions of students at four U. S. universities. *NACTA Journal* 59(2), 54-62. (Corresponding author)
- *Pennington, K., *Calico, C., Edgar, L. D., Edgar, D. W., & Johnson, D. M. (2015). Knowledge and perceptions of visual communications curriculum integrated into Arkansas secondary agricultural classrooms. *Journal of Agricultural Education* 56(2), 27-42. doi: 10.5032/jae.2015.02027 (Corresponding author).
- Murphrey, T. P., Rutherford, T. A., Doerfert, D. L., Edgar, L. D., & Edgar, D. W. (2014). An Examination of Usability of a Virtual Environment for Students Enrolled in a College of Agriculture. *Journal of Agricultural Education*, 55(4), 38-52. doi: 10.5032/jae.2014.04038 (Corresponding author)
- *Calico, C., Edgar, L. D., Edgar, D. W., & Johnson, D. M. (2014). Integration of agricultural communications curriculum in Arkansas secondary agricultural classrooms: A pilot study. *Journal of Applied Communications*, 98(4). Available at <http://journalofappliedcommunications.org/2014.html> (Corresponding author).
- *Calico, C., Edgar, L. D., & Edgar, D. W. (2014). Knowledge and perceptions of agricultural communications pilot curriculum in Arkansas secondary agricultural classrooms. *Journal of Applied Communications* 98(4) 15-27.
- *Calico, C., Edgar, L. D., & Edgar, D. W. (2014). Students' perceptions of an agricultural communication lesson and an experiential learning activity in secondary agricultural education classrooms. *NACTA Journal* 58(3), 196 - 201. (Corresponding author)
- Edgar, L. D., Edgar, D. W., & Pennington, K. (2014). An assessment of visual communications curriculum in Arkansas secondary agricultural science programs. *NACTA Journal* 58(3), 262 - 268. (Corresponding author)
- Johnson, D.M., Edgar, D.W., Karcher, D.E., Richardson, M.D., & McCalla, J. Effect of petroleum diesel and biodiesel spills on turfgrass. *Applied Turfgrass Science*, 1(1), doi:10.2134/ATS-2013-0005-RS. (Corresponding author).
- *Sallee, C. S., Edgar, D. W., and Johnson, D. M. (2013). Student perceptions of instructional methods towards alternative energy education. *Journal of Agricultural Education* 54(2), 130-142. DOI: 10.5032/jae.2013.02130 (Graduated student advisor and corresponding author)

- Johnson, D. M., Edgar, L. D., & Edgar, D. W. (2013). Consumer awareness, use, and perceptions of biodiesel. *Journal of Agricultural Systems, Technology, and Management*, 42, 23-35. (Corresponding author)
- Murphrey, T., Rutherford, T. A., Doerfert, D., Edgar, L. D., Edgar, D. W., & Leggette, H. (2013). Chalkboards to virtual worlds: Technology's role in expanding the classroom to provide professional development and education for agricultural communicators. *Journal of Applied Communications*, 97(2), 23-35. Available at http://journalofappliedcommunications.org/images/stories/issues/2013/jac_v97_n2_article4.pdf
- *Hunt, C.L., Johnson, D.M., & Edgar, D.W. (2013). NO_x emissions and performance of a compact diesel tractor fueled with emulsified and non-emulsified biodiesel. *Journal of Agricultural Systems, Technology, and Management*, 24, 12-22. (Graduated student advisor and corresponding author)
- Edgar, D. W. (2012). Learning Theories and historical events impacting instructional design in education: Recitation literacy towards extraction literacy practices. *Sage Open*, (3) 1-9.
- *Davis, J. A., Johnson, D. M., Edgar, D. W., Wardlow, G. W., and Sadaka, S. (2012). NO_x emissions and performance of a single-cylinder diesel engine with emulsified and non-emulsified fuels. *American Society of Agricultural and Biological Engineers*, (28)2, 179-186.
- Edgar, D. W., Roberts, T. G., and Murphy, T. H. (2011). Exploring relationships between teaching efficacy and student teacher – cooperating teacher relationships. *Journal of Agricultural Education*, 52 (1), 9-18.
- Sallee, C. W., *Davis, J. A., Johnson, D. M., Edgar, D. W., and Wardlow, G. W. (2010). Effectiveness of a biodiesel education program for secondary students. *Journal of Applied Engineering in Agriculture*, 26(5), 937-941.
- Hudson, G. T., Sallee, C. W., Johnson, D. M., Wardlow, G. W., Edgar, D.W., and Davis J.A. (2010). A mobile unit for demonstrating performance, efficiency, and emissions of biofueled engines. *Applied Engineering in Agriculture* 26(3), 521-525.
- Roberts, T. G., Murphy, T. H., and Edgar, D. W. (2009). Exploring interaction between student teachers during the student teaching experience. *Journal of Agricultural Education* 51(1), 113-124.
- Edgar, D. W. and Edgar, L. D. (2009). Perceptions of master's students regarding Mexico and agricultural practices occurring in Chihuahua state. *Journal of Southern Agricultural Research*, 59(1). Online at <http://pub.aged.tamu.edu/jsaer/pdf/Vol59/59-01-071.pdf>.
- Edgar, D. W., Roberts, T. G., and Murphy, T. H. (2008). Structured communication: Effects of teaching efficacy of student teachers. *Journal of Agricultural Education* 50(1), 33-44.
- Edgar, D. W., Roberts, T. G., and Murphy, T. H. (2008). Structured communication: Effects on student teacher – cooperating teacher relationships. *Journal of Southern Agricultural Education Research*, 58(1). Online at <http://pubs.aged.tamu.edu/jsaer/pdf/Vol58/58-01-094.pdf>.
- Edgar, L. D., Edgar, D. W., Briers, G. E., and Rutherford, T. A. (2008). Research themes, authors, and methodologies in the *Journal of Agricultural Education: A ten year look*. *Journal of Southern Agricultural Education Research*, 58(1). Online at <http://pubs.aged.tamu.edu/jsaer/pdf/Vol58/58-01-044.pdf>.
- Roberts, T. G., Mowen, D. L., Edgar, D. W., Harlin, J. F., and Briers, G. E. (2007). Relationships between personality type and teaching efficacy of student teachers. *Journal of Agricultural Education*, 48(2), 92-102.
- Harlin, J. F., Roberts, T. G., Briers, G. E., Mowen, D. L., and Edgar, D. W. (2007). A longitudinal examination of teaching efficacy of agricultural science student teachers at four different institutions. *Journal of Agricultural Education*, 48(3), 78-90.

Books:

- Hancock, J.P., Edgar, D.W., Pate, M.L., Dyer, L.A., & Hoover, W.B. (2016). *Agricultural Mechanics and Technology Systems*. Goodheart-Wilcox Publisher, Tinley Park, IL.