

# Curriculum Vitae

## Dennis W. Duncan, Ph. D.

### Academic Degrees

**Doctor of Philosophy**, Michigan State University, East Lansing, MI - 1997 - Major: Agricultural and Extension Education (Emphasis – Higher Education Administration).

**Master of Science**, Michigan State University, East Lansing, MI - 1994 - Major: Agricultural and Extension Education (Emphasis – Higher Education Administration).

**Bachelor of Science**, Michigan State University, East Lansing, MI - 1989 - Majors: Agribusiness and Natural Resource Education; Horticulture.

### Academic Positions

**Professor**, School of Agriculture, Tennessee Tech University, Cookeville, TN, October 2019 to present.

**Director**, School of Agriculture, Tennessee Tech University, Cookeville, TN, January 2017 to October 2019.

**Professor**, Agricultural Leadership, Education, and Communication (ALEC), The University of Georgia, Athens, GA. July 2013 to 2017.

**Department Head and Graduate Coordinator**, (ALEC), UGA, Athens, GA. July 2010 to June 2013.

**Associate Professor and Graduate Coordinator**, (ALEC), UGA, Athens, GA. July 2008 to June 2010.

**Assistant Professor**, (ALEC), UGA, Athens, GA. July 2004 to June 2008.

**Assistant Professor and Coordinating Counselor**, Agricultural and Extension Education (AEE), Virginia Polytechnic Institute and State University, Blacksburg, VA. September 2003 to June 2004.

**Coordinating Counselor**, Agricultural Technology Program, Virginia Polytechnic Institute and State University, Blacksburg, VA. August 1997 to September 2003.

**Distance Education Coordinator**, Rapid Response Information Program, Michigan State University Extension (MSUE), Michigan State University, East Lansing, MI. August 1995 to May 1997.

### Recognitions and Outstanding Achievements Related to Teaching and Research

- TN Tech School of Agriculture (**2024**) Outstanding Agriculture Professor Award
- TN Tech School of Agriculture (**2023**) Outstanding Agriculture Professor Award
- Tech Research and Creative Inquiry Day (**2022**) Award Winner (Mary Mahan, Dennis Duncan, & Ciana Bowhay)
- Tech Research and Creative Inquiry Day (**2022**) Award Winner (Aaron Lay & Dennis Duncan)
- Tech Research and Creative Inquiry Day (**2019**) Award Winner (Sarah Harris & Dennis Duncan; Marisa Phelps & Dennis Duncan)
- Tech Research and Creative Inquiry Day (**2018**) Award Winner (Amber Dunnaway & Dennis Duncan)

### Recognitions and Outstanding Achievements Related to Research and Scholarship

- Wings-Up 100 Research Achievement Award **2024**
- Wings-Up 100 Research Achievement Award **2023**
- Wings-Up 100 Research Achievement Award **2022**
- Wings-Up 100 Research Achievement Award **2021**
- Wings-Up 100 Research Achievement Award **2020**
- Wings-Up 100 Research Achievement Award **2019**

## Contributions to Scholarship and Other Creative Activities

### Tennessee Projects

- **(2022)**. Duncan, D. & Fennewald, D. TN Agriscience Teachers' Perceived Benefits of annual TN Tech FFA Clinics
- **(2021-present)**. Duncan, D., Natrass, M. & Bowhay, C. Determining SOA student's perceived critical thinking attributes and researching to determine if their tenure at TN Tech has positively impacted their CT attributes.
- **(2021)**. Duncan, D. TN agriscience teachers' perceived level of importance for specific DOE Food Science pathway standards and their level of self-efficacy toward teaching those standards
- **(2020-2021)**. Duncan, D. & Turner, S. Curriculum Needs at Camp Clements as Perceived by TN FFA Advisors and FFA Members.
- **(2018)**. TTU Rural Innovation Conference. Guest speaker – How to Stay Sustainable in a Rural Environment.

### International Projects

- **(2023-present)** Collaborating with Scottish Rural Agricultural College (SRUC) faculty in the development of an AOR between TN Tech School of Agriculture and SRUC.
- **(2014-2023)** Collaborating with University of Glasgow Interdisciplinary Studies Program faculty on implementation and evaluation of an International service learning study abroad programs in Dumfries, Scotland

### Grants and Sponsored Projects (2017-present)

#### **Tennessee Department of Education TDOE)**

Tennessee FFA – Camp Clements (2023). Collaborative project with TN Tech School of Agriculture, Tennessee FFA Association and Camp Clements. Duncan serves as PI. **Total award – 232,500**

Tennessee FFA – Camp Clements (2020-2021). Collaborative project with TN Tech School of Agriculture, Tennessee FFA Association and Camp Clements. Duncan served as PI. **Total award - \$232,500.**

Tennessee FFA – Camp Clements (2018-2020). Collaborative project with TN Tech School of Agriculture, Tennessee FFA Association and Camp Clements. Duncan served as Pi. **Total award - \$465,000.**

#### **Tennessee Department of Agriculture (TDA)**

TTU Urban Gardening Initiative (2018). Collaborative project with TN Tech School of Agriculture, Tennessee Department of Agriculture and Seedfork of the Highlands. Duncan coordinated the multi-garden initiative. **Total award to TTU - \$14,400.**

#### **United States Department of Agriculture (USDA/NIFA)**

Mosley, C, Duncan, D., Bird, W. & Natrass, M. **(\$750,000)** - USDA/NIFA grant proposal - SAFE: Enhancing Rural Communities Through Soil, Animal, Food, and Economic Research, Education, and Outreach. Collaborative project between UT Knoxville, UT Martin, TN Tech, and MTSU. TN Tech award - **\$150,000**

#### **TTU Quality Enhancement Plan (QEP)**

**(2020)**. Funds utilized to develop K-12 curriculum and provide course material to Upperman High and Prescott Middle School. Total award - **\$5,204.**

Scotland Service-learning Study Abroad Program (2018). Proposal was funded to support the development of a new global service-learning course in collaboration with Dr. Melinda Anderson – Human Ecology. **Total award - \$8,850.**

Tennessee Leadership Summit (2019). Corporate and Private Gifts totaled **\$42,000**

#### **United States Department of Education (USDE)**

Project OMB Control Number: 1894-0008 (2008-2012). UGA subcontract with Florida A & M. UGA budget = **\$89,160. Duncan** coordinated the International distance education component and participated in the Faculty Exchange Program with UDINE (Italy) and BOKU (Austria).

**Empowering Faculty To Deliver Distance Education Programs, (USDA)** Bertrand, Jean A (Principal Investigator), Williams, Jennifer (Co-Investigator), Ricketts, John C (Co-Investigator), Navarro, Maria (Co-Investigator), **Duncan, Dennis W** (Co-Investigator), King, Diana L (Co-Investigator), Peake, Jason Boone (Co-Investigator), Fuhrman, Nicholas E (Co-Investigator), Broder, Josef M (Co-Investigator), Morgan, Alan Christian (Co-Investigator) September 1, 2009 - August 31, 2012. **Total award to UGA - \$138,105.**

**Teaching Locally, Engaging Globally: Enhancing the Undergraduate Curriculum, (USDA)** University of Florida, Navarro, Maria (Principal Investigator), Ricketts, John C (Co-Investigator), **Duncan, Dennis W** (Co-Investigator) August 1, 2009 - January 30, 2013. **Total award to UGA - \$121,000.**

**Academic Reform at the State Agrarian University of Armenia (USDA).** Herren, R. V., **Duncan, D.**, Peake, J., Parr, B., Navarro, M., & Ricketts, J.C. (2007). Total grant = **\$153, 915 - 20% allocated to Duncan.**

**Developing and Disseminating Agricultural Education Teaching Materials for FFG Schools in Georgia (former Soviet Republic of Georgia) USDA.** Herren, R. V., **Duncan, D.**, Parr, B., Peake & Ricketts, J.C. (2006-2007). **Total grant = \$187,990 - 20% allocated to Duncan.**

**Developing Agricultural Education Teaching Materials for FFG Schools in Georgia (former Soviet Republic of Georgia) USDA.** Herren, R. V., **Duncan, D.** & Parr, B. (2005-2006). Total grant = **\$31,570 - 33% allocated to Duncan.**

**Duncan, D.** & Navarro, M. (2007). *Internationalizing CAES Curriculum via Videoconferencing Technology.* UGA Learning Technologies grant proposal. Total grant = **\$50,200.00 - 50% allocated to Duncan.**

#### **Contributions to Research (2016-present)**

##### **Refereed Journal Articles**

All publications have gone through a stringent peer review and editorial process. Acceptance rates for journals listed in the following sections range from 25% to 70%. (\*=Research conducted with graduate students.)

##### **International Based Articles**

Rubenstein, E., Fuhrman, N., **Duncan, D.** & Conner, N. (2018). Addressing Food Insecurity via a Participatory Approach to International Service-Learning: An Opportunity for Soft Skill Development. *Transformative Dialogues: Teaching and Learning Journal.*

**Duncan, D.**, Hass, R. & Ricketts, J. (2016). A Comparison of Critical Thinking Skills of Students

Enrolled In a College Level Global Seminar Course. *Journal of International Agricultural Extension and Education* 23 (2). doi:10.5191/jiaee.2016.23203  
Education, Agriculture, and Agricultural Education. *Journal of International Agricultural Extension and Education*, 15(1), 11-24.

### **Leadership Based Articles**

- Duncan, D., \*King, V. Fuhrman, N. & Borrón, A. (2017).** The Impacts of a National Animal Health Internship Program on Interns' Perceived Leadership, Critical Thinking, and Communication Skills. *Journal of Leadership Education*, 16 (2).
- \*Edmonds, D., Fuhrman, N., **Duncan, D.** & Elliott, K. (2016). A Qualitative Approach to Determining Factors Influencing Communication Skills of College of Agriculture Ambassadors. *NACTA Journal*, 60 (2), 195.

### **Extension Based Articles**

- \***Duncan, D.,** Johnson, B., Fuhrman, N. & Ryles, B. (2016). Can 4-H Involvement Have a Positive Impact on 4-H Youth's Bullying Beliefs and Behaviors? *Journal of Youth Development*, 11, 1.

### **Career, Technical, and Agricultural Education Based Articles**

- Duncan, D.,** Collins, A., Fuhrman, N., Knauff, D. & Berle, D. (2016). The Impacts of a School Garden Program on Urban Middle School Youth. *Journal of Agricultural Education*, 57 (4), 175-186. doi.org/10.5032/jae.2016.04175.
- \*Adams-Pope, B., Turner, K., **Duncan, D.** & Fuhrman, N. (2016). Student Achievement in an Equine Animal Science Class: A Comparison of Lecture and Lab-based Outcomes. *NACTA Journal*, 60, 1.

## **Contributions in Service to the Profession and University**

### **Service to TTU**

- Member – SACSCOC Faculty Credentials Committee (2023-present)
- Member – Intellectual Properties Committee (2023-present)
- Member – Honors Council (2022-present)
- Chairperson – International Affairs Committee (2023-present)
- Faculty Senate Representative (2020-2023)
- Administrative Council Representative (2020-2023)
- Representative - textbook policy committee (2020-2021)
- Representative - TN Tech Board Faculty Member Nominating Committee (2021)
- Co-Chairperson - College of Education - Program Assessment Committee (2020-2022)
- Representative - College of Education - Teacher Education Committee (2020-2021)
- Member (2018-2020) Executive Committee – EVS Program
- Advisor (2018-2019) – Omicron Delta Kappa
- Advisor (2019-Present) – Collegiate FFA
- Advisor (2023-Present) – Collegiate 4-H
- Advisor (2020-2022) – Lambda Alpha Sigma
- Member (2018) – Course Scheduling Committee
- Member (2018) – Academic Program Budget Model Committee
- Member (2017-2018) – Online Education Advisory Committee
- Member (2017-2020) – Undergraduate Curriculum Committee
- Member (2018-2019) – Prior Learning Assessment Committee

- Member (**2018**) – TTU Director of Career Services Search Committee
- Judge (**2017, 2018**) – TTU Research and Creative Inquiry Day
- Member (**2017-2019**) – Academic Learning Community: Department Chairs
- Member (**2017-2023**) – Caplenor Faculty Research Award Committee

### **Contributions to Teaching (2017-present)**

AGR 1020 – AGR Connections	AGED 2120 – Introduction to Agricultural Education & Extension
AGR 2022 – Professionalism in the workplace	AGED 4200/5200 – Teaching methodologies
AGR 3000 – Leadership & Service	AGED 4300 – Youth groups
AGR 3200 – Scotland study abroad	AGED 4872 – Professional seminar
AGR 4500 – Senior seminar	AGED 4881 – Residency I
AGBE 2010 – World food & society	ANS 1200 – Intro to animal science
AGR 4600/5600 – Global Seminar	

### **Service to Profession (2004-present)**

- Discussant and Chair (**2020**) Research Presentation Session at the Annual AAAE Southern Region Research Conference, Louisville, Ky
- Member (**2015-2017**) ALE Research Session Committee
- Member (**2013-2014**) AAAE Board of Directors
- Member (**2013-2014**) National Ag Ed Council
- Panel Member (**2012 & 2013**) – Peer Review panel for Capacity Building Grant Teaching/Extension - **USDA** National Institute of Food and Agriculture (NIFA) 1890 proposals
- President (**2008-2009**) Southern Association of Agricultural Scientists (SAAS) Agricultural Education - Division Officer
- Member (**2004-2009**) - Southern Region Program Improvement Committee – American Association for Agricultural Education (AAAE)
- Research Session Chairperson (**2004 – 2014**) – The American Association for Agricultural Education (AAAE) Research Conferences

### **Service to the Profession (Research Paper/Manuscript Reviewer)**

- Reviewer (**2019-Present**) - Transformative Dialogues: Teaching and Learning Journal
- Reviewer (**2020-Present**) - Journal of Language and Education
- Reviewer (**2012-Present**) - The Journal of Agricultural Education and Extension (JAEE)
- Research conference session facilitator (**2015**) – NACTA Conference
- Research conference session facilitator (**2012**) - Association of Leadership Educators (ALE)
- Conference paper reviewer (**2011-Present**) - Association for International Agricultural and Extension Education (AIAEE)
- Reviewer (**2012-Present**) - Journal of International Agricultural and Extension Education (JIAEE)
- Reviewer (**2008-Present**) - Journal of Leadership Education
- Manuscript reviewer (**2005-Present**) - AAAE – National Research Conference
- Manuscript reviewer (**2004-Present**) - Journal of Agricultural Education
- Reviewer of conference papers (**2007-Present**) - AAAE – North Central Region Conference

- Reviewer (2011-Present) - Journal of Workforce Education and Development

### **Current Membership in Professional and Honorary Societies/Journals**

- North American Colleges and Teachers of Agriculture (NACTA)
- Delta Tau Alpha
- Journal of Agricultural Education
- Journal of Leadership Education
- The Journal of Agricultural Education and Extension
- TAAE

### **Contributions to Research (2002-2018)**

#### **Refereed Journal Articles: 52 published (2002-2022)**

All publications have gone through a stringent peer review and editorial process. Acceptance rates for journals listed in the following sections range from 25% to 70%. (\*=Research conducted with graduate students.)

#### **International Based Articles**

- Rubenstein, E., Fuhrman, N., **Duncan, D.** & Conner, N. (2018). Addressing Food Insecurity via a Participatory Approach to International Service-Learning: An Opportunity for Soft Skill Development. *Transformative Dialogues: Teaching and Learning Journal*.
- Duncan, D.**, Hass, R. & Ricketts, J. (2016). A Comparison of Critical Thinking Skills of Students Enrolled In a College Level Global Seminar Course. *Journal of International Agricultural Extension and Education* 23 (2). doi:10.5191/jiaee.2016.23203
- Peake, J., **Duncan, D. W.**, Ricketts, J. C., Williams, J., & Parr, B. (2013). An Assessment of the needs of Georgian Secondary Agricultural Educators. *Journal of Workforce Education and Development* 6 (2).
- Shinn, G., Briers, G., Navarro, M., Peake, J., Parr, B., Ter-Mkrtchyan, A. & **Duncan, D.** (2009). Through Student Eyes: Perceptions and Aspirations of Students from the Armenian State Agrarian University and Selected European Universities. *Journal of Agricultural Education and Extension* 15(3), 245-255.
- Peake, J., **Duncan, D.**, Parr, B. & Ricketts, J.C. (2008). Armenian Faculty Members' Perceptions of Faculty Workshops on Student Evaluation Methods. *Journal of Agricultural and Extension Education* 24, 385-395.
- Shinn, G., Briers, G.E., Navarro, M., Peake, J., **Duncan, D.**, Parr, B. & Galoyan, I. (2008). Armenian Agrarian University Students' Perceptions and Educational Aspirations During Curriculum Reforms: Bologna to Yerevan. *Journal of International Agricultural and Extension Education*, 15(2) 33-45.
- Parr, B.A., Edwards, M.C. & **Duncan, D.** (2008). Georgian Educators' Perceptions and Outlooks on Education, Agriculture, and Agricultural Education. *Journal of International Agricultural Extension and Education*, 15(1), 11-24.

#### **Leadership Based Articles**

- Duncan, D.**, \*King, V. Fuhrman, N. & Borron, A. (2017). The Impacts of a National Animal Health Internship Program on Interns' Perceived Leadership, Critical Thinking, and Communication Skills. *Journal of Leadership Education*, 16 (2).
- \*Edmonds, D., Fuhrman, N., **Duncan, D.** & Elliott, K. (2016). A Qualitative Approach to Determining Factors Influencing Communication Skills of College of Agriculture Ambassadors. *NACTA Journal*, 60 (2), 195.
- \***Duncan, D.**, Carter, E., Fuhrman, N.E. & Rucker, K.J. (2015). How Does 4-H and FFA Involvement

Impact Enrollment in a College of Agriculture? *NACTA Journal*, 59 (4), 326.

- \*Bolton, S., **Duncan, D.**, Fuhrman, N. & Flanders, F. (2015). Self-Perceived Career and Interpersonal Skills Gained from Participation on a Collegiate Livestock Judging Team. *Journal of Leadership Education*, 14 (1), 160-173.
- \*Walker, B., Ricketts, J. C., **Duncan, D.**, & Herren, R. (2011). Youth leadership: The Impact of Beef Projects Upon National Junior Angus Association Members. *Journal of Youth Development*.
- \*Coers, N., Williams, J. & **Duncan, D.** (2010). Impact of Group Development Knowledge on Students' Perceived Importance and Confidence of Group Work Skills. *Journal of Leadership Education*, 9 (2), 101-121.

### **Extension Based Articles**

- \***Duncan, D.**, Johnson, B., Fuhrman, N. & Ryles, B. (2016). Can 4-H Involvement Have a Positive Impact on 4-H Youth's Bullying Beliefs and Behaviors? *Journal of Youth Development*, 11, 1.
- \*Lynch, D., Fuhrman, N., **Duncan, D.** & Hanula, G. (2015). Agent Knowledge and Programming Behaviors Regarding Healthy Lifestyle Education in Georgia. *Journal of Extension* 53 (3).
- \*Brown, J., **Duncan, D.**, Navarro, M. & Fuhrman, N. (2014). Experiential Learning for Extension Professionals: A Cross-cultural Immersion Program. *Journal of Extension*, 52(3).
- \*West, P., Fuhrman, N.E., Morgan, A.C., & **Duncan, D.W.** (2012). Using Digital Classrooms to Conduct 4-H Club Meetings. *Journal of Extension*, 50 (6).
- \*Morgan, A., Eason, M. & **Duncan, D.** (2011). The Influence of Past Experiences on the Motivation of Adult Volunteers. *Journal of Youth Development*, 6(1).
- \*DeFore, A., Fuhrman, N. Peake., J. & **Duncan, D.** (2011). Factors Influencing 4-H club Enrollment and Retention in Georgia. *Journal of Youth Development*, 6(2).

### **Career, Technical, and Agricultural Education Based Articles**

- Duncan, D.**, Collins, A., Fuhrman, N., Knauft, D. & Berle, D. (2016). The Impacts of a School Garden Program on Urban Middle School Youth. *Journal of Agricultural Education*, 57 (4), 175-186. doi.org/10.5032/jae.2016.04175.
- \*Adams-Pope, B., Turner, K., **Duncan, D.** & Fuhrman, N. (2016). Student Achievement in an Equine Animal Science Class: A Comparison of Lecture and Lab-based Outcomes. *NACTA Journal*, 60, 1.
- Alexander, N., **Duncan, D.** & Fuhrman, N. (2015). College Students' Knowledge, Perceptions, and Purchasing Habits of Organic Food. *Journal of Natural Sciences Education*. doi. 10.4195/nse2015.06.0009
- \*Hicks, S., **Duncan, D.**, Womble, M. & Branch, R. (2015). Examining Differences in Middle School Student Achievement on a State Mandated Examination: Does a Full Year of Agriscience Really Make a Difference? *Journal of Workforce Education and Development*. 8(1).
- Cannon, J., Kitchel, A. & **Duncan, D.** (2013). Perceived Professional Development Needs of Idaho Secondary Career and Technical Education Teachers: Program Management. *Journal of Workforce Education and Development*, 6 (1).
- King, D., Rucker, K. J. & **Duncan, D.** (2013). Classroom Instruction and FFA/SAE Responsibilities Creating the Most Stress for Female Teachers in the Southeast. *Journal of Agricultural Education*. 54 (4), 195-205.
- Duncan, D.** Cannon, J. & Kitchel, A. (2013). Teaching Efficacy: A Comparison of Traditionally and Alternatively Certified CTE Teachers in Idaho. *Journal of Career and Technical Education Research*, 38 (1), 57-67.
- \*King, D., Rucker, J., **Duncan, D.** & Boland, K. (2012). A Comparison of Job Stressors Experienced by Male and Female Beginning Agriculture Teachers. *Journal of Southern Agricultural Education Research*. 62 (1), 17-28.

- \*Schumacher, S., Fuhrman, N. & **Duncan, D. (2012)**. The Influence of School Culture on Environmental Education Integration: A Case Study of an Urban Private School System. *Journal of Agricultural Education*, 53 (4), 141-155.
- Cannon, J., Kitchel, A., & **Duncan, D. (2012)**. Perceived Teaching and Learning Professional Development Needs of Idaho Secondary Career and Technical Education Teachers. *Journal Researcher*, 24 (1), 43-54.
- \*Hadsock, Q., Peake, J., Parr, B., Ricketts, J. & **Duncan, D. (2011)**. The Impact of Middle School Agricultural Education Programs as Perceived By Georgia Middle School Principals. *Journal of Southern Agricultural Education Research*, 61.
- \***Duncan, D.W.**, Ricketts, J.C. & Shultz, T. (2011). Science, Math, Social Studies, and Language Arts Achievement of High School Students in Complete Programs of Agriscience Education. *Journal of Workforce Education and Development* 5(3).
- Cannon, J. G., Kitchel, A., **Duncan, D. W.**, & Arnett, S. E. (2011). Professional Development Needs of Idaho Technology Teachers: Teaching and learning. *Journal of Career and Technical Education* 26(1), 32-47.
- Kitchel, A., Arnett, S., Cannon, J., & **Duncan, D. (2010)**. Program Management Needs of Family and Consumer Sciences Teachers in Idaho. *Journal of Family and Consumer Sciences Education*, 28(2), 48-59.
- \*Crump, A., Ricketts, J.C. & **Duncan, D. (2010)**. Cooperating Teachers' Perceptions of Pedagogical Importance, Competence, and Programmatic Needs: A Frontline Assessment of Agricultural Student Teachers. *Journal of Workforce Education and Development*. 4(4), 1-12.
- King, D., **Duncan, D.** & Mykerezi, P. (2010). Strengths and Weaknesses of Land-grant Two-year Technical Agriculture Programs as Perceived by Program Directors. *NACTA Journal*, 55 (1), 38-43.
- Kitchel, A., Cannon, J., & **Duncan, D. (2010)**. Professional development priorities of Idaho business teachers: An Examination of a set of Competencies Associated with Teaching and Learning. *The Delta Pi Epsilon Journal*, LII (3), 138-151.
- Kitchel, A., Cannon, J. G., & **Duncan, D. W. (2010)**. Program Management Educational Needs of Idaho Business and Marketing Teachers. *Career and Technical Education Research* 34 (3), 175-189.
- \*Boland, K., King, D., Williams, J. **Duncan, D.** & Ricketts, J.C. (2010). Perceived Job Related Stressors of New And Beginning Agriscience Teachers in Georgia. *Journal of Southern Agricultural Education Research*, 60, 40-51.
- Cannon, J.G., **Duncan, D.** & Kitchel, A. (2010). Identifying Perceived Professional Development Needs of Idaho Secondary CTE Teachers: Program Management Needs of Skilled and Technical science Teachers. *Journal of Industrial Teacher Education* 47 (1) 43-70.
- Rich, J., **Duncan, D.**, Navarro, M. & Ricketts, J. (2009). Examining Differences in Middle School Student Achievement on a Criterion-Referenced Competency Test (CRCT) in Science. *Journal of Agricultural Education*. 50(4), 14-24.
- Duncan, D. W.** & Ricketts, J. C. (2008). Total program efficacy: A Comparison of Traditionally and Alternatively Certified Agriculture Teachers. *Journal of Agricultural Education* 49(4), 38-46.
- Peake, J.B., **Duncan, D.W.** & Ricketts, J.C. (2007). Identifying technical content training needs of Georgia agriculture teachers. *Journal of Career and Technical Education* 22(2), 43-54.
- \*Uessler, J., Ricketts, J., **Duncan, D.** & Peake, J. (2007). In-service delivery: methods preferred by Georgia agriculture teachers. *Journal of Southern Agricultural Education Research* 56(1).
- Ricketts, J.C. & **Duncan, D.W. (2006)**. Science achievement of high school students in complete programs of agriscience education. *Journal of Agricultural Education* 47(2), 48-55.
- \***Duncan. D.W.**, Ricketts, J.C., Peake, J.B. & Uessler, J. (2006). Teacher preparation and in-service needs of Georgia agriculture teachers. *Journal of Agricultural Education* 47(2), 24-35.
- Duncan, D.** & Broyles, T. (2006). A comparison of student knowledge and perceptions toward agriculture before and after attending a governor's school for agriculture. *NACTA Journal* 50(1), 16-21.
- Ricketts, J.C., Peake, J.B., **Duncan, D.W.**, & Uessler, J. (2005). Teacher preparation and in-service needs



associated with management of the total program of agricultural education in Georgia. *Journal of Southern Agricultural Education Research* 55(1), 46-59.

\*Furhman, N.E., Copenheaver, C.A., & **Duncan, D.W. (2005)**. A comparison of first-year college student attitudes toward coarse woody debris following review of a brochure and participation in a cooperative learning activity. *NACTA Journal* 49(2), 27-35.

**Duncan, D.** & Broyles, T. (2004). An evaluation of student knowledge and perceptions toward agriculture before and after attending a governor's school for agriculture. *Journal of Southern Agricultural Education Research* 54(1), 294 – 306.

Copenheaver, C.A., **Duncan, D.W.**, Leslie, L.D., & McGehee, N.G. (2004). An exploration of cross-disciplinary peer education in natural resources. *Journal of Natural Resources and Life Sciences Education* 33: 124-130.

**Duncan, D. (2004)**. Virginia secondary agriculture teachers' knowledge and perceptions of the agricultural technology program at Virginia Tech. *Journal of Agricultural Education* 45(1), 21-29.

\*Kantrovich, A., Hillison, J. & **Duncan, D. (2002)**. A program evaluation as perceived by program graduates show program's validity. *NACTA Journal* 46(1), 40-44.

### **Refereed Conference Papers - 76 accepted**

Leadership, Extension, and CTAE papers (12-15 pages in length) submitted for research conference proceedings and presentations go through a rigorous, double-blind review selection process. Acceptance rates at the national level range from 40 – 67%. (\*=Research conducted with graduate students.)

### **International Based Presentations**

**Duncan, D.**, Fuhrman, N. & Rubenstein, E. (2016). Want to Develop a Sustainable Global Service-Learning Study Abroad Program? Shut Up and Listen. Round Table Discussion presented at the annual *Association of Leadership Educators (ALE) Conference*, Sacramento, CA.

**Duncan, D.**, Fuhrman, N. & Rubenstein, E. (2016). Addressing food insecurity via a participatory approach to International service learning. Paper presented at the annual *NACTA conference*, Honolulu, HI.

**Duncan, D.**, Haas, R. & Ricketts, J. (2015). A Comparison of Critical Thinking Skills of Students Enrolled In a College Level Global Seminar Course. Paper presented at the *Association of Leadership Educators Conference (ALE)*, Washington, DC.

Navarro, M., Fuhrman, N., Robinson, C., Johnson, J., Pegg, R., Harrison, M., **Duncan, D.**, Linder, J., Roberts, G., & Harder, A. (2011). Enhancing the ability of faculty to succeed in their efforts to globalize their curriculum. In *Proceedings of the American Association for Agricultural Education (AAAE) National Research Conference Coeur d'Alene*, ID.

Herren, R. V., & **Duncan, D. (2010)**. Developing human capacity through rural youth development. Paper was accepted (didn't attend the conference due to lack of travel funds) for presentation at the *Annual International Symposium on Agricultural Research*. Athens, Greece.

\*Coers, N., **Duncan, D.** & Williams, J. (2010). Impact of Group Development Knowledge on Students' Perceived Importance and Confidence of Group Work Skills. Paper presented at the annual *Association of Leadership Educators*, Milwaukee, WI.

\*Ricketts, J. C., Priest, K., Navarro, M., & **Duncan, D. (2009)**. Learning activity contributions to career decision self-efficacy among students in the North Region of Georgia Agricultural Education. In *Proceedings of the American Association for Agricultural Education (AAAE) National Research Conference* (Louisville, KY, May 20-22, 2009).

- Parr, B., Peake, J., **Duncan, D. W.**, Navarro, M., Shinn, G. (2009). Perceptions and assessments of Armenian university faculty members who participated in a professional development seminar in 2007. In *Proceedings of the 25th AIAEE (Association for International Agricultural Extension Education) conference* (San Juan, Puerto Rico, May 24-28).
- Parr, B., **Duncan, D.**, Navarro, M. & Peake, J. (2009). Perceptions and assessments of Armenian university faculty members who participated in a professional development seminar in 2007. *Association of International Agricultural and Extension Education Conference*, San Juan, Puerto Rico.
- Duncan, D. W.**, Ricketts, J. C., Williams, J., Peake, J., & Parr, B. (2009). An assessment of the needs of Georgian secondary agricultural educators. *Association of International Agricultural and Extension Education Conference*, San Juan, Puerto Rico.
- Williams, J., **Duncan, D. W.**, & Ricketts, J. C. (2009). Georgia to Georgia secondary education engagement. *Proceedings of the 10<sup>th</sup> Annual Outreach Scholarship Conference*, Athens, GA.
- Duncan, D.**, Navarro, M. & McMaken, V. (2008). An evaluation of the certificate in international agriculture program at a land-grant university. Paper presented at the annual *NACTA Conference*, Logan, UT.
- Duncan, D. W.**, Navarro, M. & Mykerezi, P. (2008). Learning about Sustainability: The Contribution of the Global Seminar Educational Model – A Delphi Study. Paper presented at the annual *Association for International Agricultural and Extension Education (AIAEE) Conference*, Costa Rica.
- Peake, J., **Duncan, D. W.**, Ricketts, J.C. & Shinn, G. (2008). Armenian Faculty Members' Perceptions of Faculty Workshops on Student Evaluation Methods. Paper presented at the annual *Association for International Agricultural and Extension Education (AIAEE) Conference*, Costa Rica.
- Navarro, M. & **Duncan, D.** (2006). "Designated" international courses in agriculture: an analysis of our experience. Paper presented at the annual *NACTA Conference*, Vancouver, BC.
- Ricketts, J.C., Navarro, M., **Duncan, D.** & Peake, J. (2006). Working across disciplines to ensure pedagogical and technical proficiency of future instructors of agriculture. Paper presented at the annual *NACTA Conference*, Vancouver, BC.
- Duncan, D.W.** & Mykerizi, P. (2005). The Global Seminar project – experiential learning in an International context. Paper presented at the annual *NACTA Conference*, Wooster, OH.

### **Leadership Based Presentations**

- \*King, V., **Duncan, D.**, Fuhrman, N. & Borrón, A. (2016). The Impacts of a National Animal Health Internship Program on Interns' Perceived Leadership, Critical Thinking, and Communication Skills. Paper presented at the *Association of Leadership Educators Conference (ALE)*, Sacramento, CA.
- \*Dover, E., Bertrand, J., **Duncan, D.**, Fuhrman, N., Morgan, C., Navarro, M., Peake, J. & Rucker, J. (2015). Impact of a Faculty Learning Community on the Development of Distance Education Courses in a College of Agriculture. Paper presented at the *Annual NACTA Conference*, Athens, GA.
- \*Edmonds, D, Fuhrman, N. **Duncan, D.** & Elliott, K. (2015). A Qualitative Approach to Determining Factors Influencing Communication Skills of College of Agriculture Ambassadors. Paper presented at the *Association of Leadership Educators Conference (ALE)*, Washington, DC.
- \*Edmonds, D, Fuhrman, N. **Duncan, D.** & Elliott, K. (2015). Factors Influencing the Communication Skills of College of Agriculture Ambassadors. Paper presented at the *Annual NACTA Conference*, Athens, GA.
- \*Kincy, N., Ingwers, L., & **Duncan, D.** (2014). Twitter and the classroom: Two birds not of the same feather. Abstract invited for workshop presentation on using technology in the classroom at the annual *NACTA Conference*, Bozeman, MT.
- Duncan, D.** & Coers, N. (2014). Reflecting on service-learning experiences; implications for future classroom use. Round Table Discussion presented at the annual *Association of Leadership Educators (ALE) Conference*, San Antonio, TX.
- \*Bolton, S., **Duncan, D.**, Fuhrman, N. & Flanders, F. (2014). Self-Perceived Career and Interpersonal Skills

Gained from Participation on a Collegiate Livestock Judging Team: A Longitudinal Study. Paper presented at the *Association of Leadership Educators Conference (ALE)*, San Antonio, TX.

- \*Nerswick, S., **Duncan, D.**, Rucker, K.J., Fuhrman, N., & Kincy, N. (2013). The influence of extra-curricular activities on undergraduate students' communication competencies. *Association of Leadership Educators Annual Conference*, New Orleans, LA.
- Rucker, K. J., **Duncan, D.**, Kincy, N. Wilcox, S., Benson, J. & Bimson, L. (2013). Go Big or Go Home! A Roundtable Discussion of Doing More with Less. Round Table Discussion. In the proceedings of the *Association of Leadership Educators (ALE) Conference*, New Orleans, LA.
- Duncan, D.**, Morgan, A. C., Williams, J., Ricketts, J. C. & Coers, N. (2010). Students' Self-Perceived Leadership Skills. Paper presented at the annual *Association of Leadership Educators*, Milwaukee, WI.
- \*Priest, K. Ricketts, J. C., & **Duncan, D. W.** (2009). Career decision self-efficacy and learning activity participation of Georgia agricultural education students in the north region: A descriptive study. *Proceedings of the Southern Association of Agricultural Education Conference*.
- \*Priest, K., Ricketts, J. C., Navarro, M., & **Duncan, D.** (2009). Learning activity contributions to career decision self-efficacy among students in the north region of Georgia Agricultural Education. *Proceedings of the American Association of Agricultural Education*, Louisville, KY
- \*Brown, J., Coers, N., **Duncan, D. W.**, Navarro, M. (2009). Leadership and service certificate: An analysis of eight years. *10<sup>th</sup> Annual National Outreach Scholarship Conference*, Athens, GA.
- \*Priest, K., Ricketts, J. C., & **Duncan, D.** (2007). B.A.S.I.C training: building and achieving success in chapters through adventure-learning focusing on leadership and teamwork. Paper presented at the annual *Association of Leadership Educators Conference*, Ft. Worth, TX.
- \*Ricketts, J. C., Walker, B., **Duncan, D.**, & Herren, R. (2007). Leadership impacts of beef cattle projects. Paper presented at the *annual Association of Leadership Educators Conference*, Ft. Worth, TX.
- \*Ricketts, J.C., Allen, J., **Duncan, D.**, & Peake, J. (2006). Perceived leadership development of college of Agriculture alumni. Paper presented at the annual *NACTA Conference*, Vancouver, BC.
- Williams, J. M. & **Duncan, D.** (2004). The role of absenteeism on student grades in two horticulture courses. Paper presented at the annual *NACTA Conference*, Gainesville, FL.
- Duncan, D.** & Leslie, L. (2003). Cross-disciplinary peer education – preparing students to be better communicators. Paper presented at the annual *NACTA Conference*, San Luis Obispo, CA.
- Duncan, D.** (2003). Improving academic advising via use of the academic advising web site at Virginia Tech. Paper presented at the 2003 regional *National Association of Academic Advisors (NACADA) conference* Pittsburgh, PA.

### **Extension Based Presentations**

- \*Brown, J., Navarro, M., **Duncan, D.**, & Fuhrman, N. (2010). A quantitative analysis of the efficacy of a cross-cultural immersion program for Extension educators. *Proceedings of the Southern Association of Agricultural Education Conference* (Orlando, FL).
- \*Brown, J., Navarro, M., & **Duncan, D.** (2010). Cross cultural immersion in cooperative extension: A history of a Georgia program. Paper presented at the annual *NACTA conference* State College, PA.
- \*Morgan, A.C., Eason, M., & **Duncan, D.** (2010). The influence of past experiences on the motivation of adult volunteers. *Proceedings of the Southern Association of Agricultural Education Conference* (Orlando, FL).
- Turner, K., **Duncan, D.**, Brown, J. & Benson, C. (2009). Evaluating Life Skills Gained at a State 4-H Horse School. Paper presented at the annual *NACTA conference* Stillwater, OK.

### **Career, Technical, and Agricultural Education Based Presentations**

- \*Hicks, S., **Duncan, D.**, Womble, M. & Branch, R. (2015). Examining Differences in Middle School Student Achievement on a State Mandated Examination: Does a Full Year of Agriscience Really Make a

Difference? Paper presented at the annual *Southern Agricultural Educators Research Conference*, Atlanta, GA.

- \*Lowrey, A. West, J., Turner, K., **Duncan, D.**, Fuhrman, N.E. and Dove, D.R. (2013). Behaviorism and Constructivism in Animal Science Laboratory Classes; Evaluated by Skill Performance, Student Confidence, and Heart Rate. Paper presented at the annual *NACTA conference*, Blacksburg, VA. *NACTA Journal*, Vol. 57, Supplement 1.
- Turner, K., Lowrey, A., West, J., **Duncan, D.**, Fuhrman, N.E. and Dove, D.R. (2013). Student response to equine Laboratory Activities Using Constructivism. Paper presented at the annual *NACTA conference*, Blacksburg, VA. *NACTA Journal*, Vol. 57, Supplement 1.
- King, D., **Duncan, D.**, Rucker, J., Martin, A. & Lowery, A. (2013). Classroom Instruction and FFA/SAE Responsibilities Creating the Most Stress from Female Teachers in the Southeast. In *Proceedings of the American Association for Agricultural Education (AAAE) National Research Conference*. Columbus, OH.
- \*Kennedy, C., Ricketts, J.C., & **Duncan, D.** (2013). Relationships between Agriculture Teaching Efficacy and Decision to Teach Among Agricultural Education Majors. In *Proceedings of the American Association for Agricultural Education (AAAE) National Research Conference*. Columbus, OH.
- \*Pollard, M., **Duncan, D.** (2012). The Health of Georgia Agricultural Education Programs as Perceived by Teachers and State Leaders. Paper presented at the annual *Association of Leadership Educators (ALE) Conference*, Key West, Florida.
- Duncan, D.**, Cannon, J. & Kitchel, A. (2012). Teaching Efficacy: A Comparison of Traditionally and Alternatively Certified CTE Teachers in Idaho. Paper presented at the *annual Hawaii University Conference on Education*, Honolulu, HI.
- \*Tippens, A., Ricketts, J. C., **Duncan, D. W.**, & Morgan, A. C. (2012). Teachers' Self-Perceptions of Retention and Attrition among Teachers of Agriculture. Paper presented at the *Southern Agricultural Educators Research Conference*, Birmingham, AL.
- \*Pollard, M., Ricketts, J. & **Duncan, D.** (2011). Assessing Critical Thinking Skills of Undergraduate Pre-service Teachers: Implications for Curriculum Development. Paper presented at the annual *NACTA conference* Alberta, Canada.
- \*Schumacher, S., Fuhrman, N. & **Duncan, D.** (2011). The Influence of School Culture on Environmental Education Integration: A Case Study of an Urban Private School System. In *Proceedings of the American Association for Agricultural Education (AAAE) National Research Conference* [Coeur d'Alene](#), ID.
- \*Kennedy, C., Ricketts, J. & **Duncan, D.** (2011). Relationships between agricultural teacher efficacy and decision to teach among agricultural education majors. *Proceedings of the Southern Association of Agricultural Education Conference* (Corpus Christi, TX).
- Arnett, S. E., Kitchel, A., Cannon, J. G., & **Duncan, D. W.** (2010). Professional developmental needs of Idaho secondary Family and Consumer Science teachers: Program management. Paper presented at the *ACTER Conference*, Las Vegas, NV.
- Kitchel, A., Cannon, J. G., & **Duncan, D. W.** (2010). Prioritization of program management educational needs of business teachers. Paper presented at the *National Association for Business Teacher Education (NABTE) Research Conference*, San Diego, CA.
- \*Crump, A., Ricketts, J. C., **Duncan, D.**, & Bertrang, J. (2009). Cooperating teachers' perceptions of student teachers' content needs at completion of the agricultural teacher education program. *Proceedings of the Association of Career and Technical Education Research Conference*, Nashville, TN.
- Cannon, J., **Duncan, D.**, Anderson, R. & Sturgeon, (2009). Teaching and Learning In-Service Needs of Alternatively Licensed Beginning Career and Technical Education Teachers. Paper presented at the annual *Eastern Educational Research Association (EERA) conference*.

- Cannon, J., **Duncan, D.**, Anderson, R. & Sturgeon, (2009). Program management in-service needs of alternatively licensed beginning career and technical education teachers. Paper presented at the annual *Eastern Educational Research Association (EERA) conference*.
- \*Crump, A., Ricketts, J.C. & **Duncan, D.** (2008). Cooperating teachers' perceptions of pedagogical importance, competence, and programmatic needs: a frontline assessment of agricultural apprentice teachers. Paper presented at the annual *ACTER Conference*, Charlotte, NC. **Outstanding Paper Presentation**.
- \*Stevens, J., **Duncan, D.**, Navarro, M. & Ricketts, J.C. (2008). Examining differences in middle school student achievement on a criterion-referenced competency test (CRCT) in science. Paper presented at the annual *ACTER Conference*, Charlotte, NC.
- \*Sealy, W. J., Parr, B., **Duncan, D. W.**, Peake, J. & Ricketts, J.C. (2008). Agricultural Education in Georgia: Determining Teacher Supply and Programmatic Demand. Paper presented at the annual *American Association for Agricultural Education (AAAE) Research Conference* – Reno, Nevada.
- Cannon, J., **Duncan, D. W.**, Anderson, R., & Sturgeon, D. (2008). Identifying In-service Needs of Southern Ohio Alternatively Licensed Career and Technical Education Teachers. Paper presented at the annual *Conference of Appalachian Studies* – Huntington, West Virginia.
- \*Crump, A., Ricketts, J.C., & **Duncan, D.W.** (2008). Cooperating Teachers' Perceptions of Student Teachers' Learning Gaps in FFA, Leadership Development, SAE, and Program Management. Paper presented at the *annual Southern Agricultural Education Research Conference* - Dallas, Texas.
- Duncan, D. W.**, Ricketts, J., Parr B. & Peake, J. (2007). Academic Rigor – Where does one start? Paper presented at the annual *NACTA Conference*, Champaign - Urbana, IL.
- Shultz, T., **Duncan, D.W.**, Ricketts, J.C. & Herren, R.V. (2007). Science, Math, Social Studies, and Language Arts achievement of high school students in complete programs of agriscience education. Paper presented at the *American Association for Agricultural Education (AAAE) Research Conference*, Minneapolis, MN.
- Parr, B., Edwards, M.C., & **Duncan, D.W.** (2007). Perceptions and Assessments of Georgian Agricultural Education Teachers Who Participated in a Professional Development Seminar in 2006. Paper presented at the *annual Association for International Agricultural and Extension Education (AIAEE) Conference*, Polson, MT.
- Ricketts, J.C., **Duncan, D.W.**, & Peake, J. (2006). A competency comparison of beginning and experienced agriculture teachers. Paper presented at the *annual Association of Career and Technical Education Research Conference (ACTER)*, Atlanta, GA.
- Ricketts, J., Wiggins, J., Peake, J., & **Duncan, D.** (2006). Technology bridges to improve teaching in agriculture. Paper presented at the *annual Association of Career and Technical Education Research Conference (ACTER)*, Atlanta, GA.
- Duncan, D.** & Ricketts, J. C. (2006). Total program efficacy: a comparison of traditionally and alternatively certified agriculture teachers. Paper presented at the *American Association for Agricultural Education (AAAE) Research Conference*, Charlotte, NC.
- \*Uessler, J., Ricketts, J., **Duncan, D.** & Peake, J. (2006). In-service delivery: methods preferred by Georgia agriculture teachers. Paper presented at the *Southern Agricultural Education Research Conference (SAERC)*, Orlando, FL.
- Duncan, D.** & Ricketts, J. C. (2006). Total program efficacy: a comparison of traditionally and alternatively certified agriculture teachers. Paper presented at the *Southern Agricultural Education Research Conference (SAERC)*, Orlando, FL.
- \*Peake, J.B., Ricketts, J.C., **Duncan, D.W.** & Uessler, J. (2005). Identifying technical content training needs of Georgia agriculture teachers. Paper presented at the annual *Career and Technical Education Research Conference (CTERC)*, Kansas City, MO.
- \***Duncan, D.W.**, Ricketts, J.C., Peake, J. & Uessler, J. (2005). Identifying teaching and learning in-service needs of Georgia agriculture teachers. Paper presented at the *American Association for Agricultural*

*Education (AAAE) Research Conference, San Antonio, TX.*

\*Ricketts, J.C., Peake, J.B., **Duncan, D.W.**, & Uessler, J. (2005). Teacher preparation and in-service needs associated with management of the total program of agricultural education in Georgia. Paper presented at the *Southern Agricultural Education Research Conference (SAERC)*, Little Rock, AR.

\*Fuhrman, N. E., **Duncan, D.W.** & Copenheaver, C. A. (2004). A comparison of the effectiveness of two educational techniques: informational brochures vs. cooperative learning activities. Paper presented at the annual *NACTA Conference*, Gainesville, FL.

**Duncan, D.** & Broyles, T. (2004). An evaluation of student knowledge and perceptions toward agriculture before and after attending a governor's school for agriculture. Paper presented at the *Southern Agricultural Education Research Conference (SAERC)*, Tulsa, OK.

**Duncan, D.** & Broyles, T. (2002). Evaluation of students' knowledge and perceptions toward agriculture before and after attending the Virginia Governor's School for Agriculture. Paper presented at the annual *NACTA Conference*, Lincoln, NE.

\***Duncan, D.** & Kantrovich, A. (2000). An evaluation of the two-year agricultural technology program at Virginia Tech as perceived by program alumni. Paper presented at the annual meeting of the *American Vocational Education Research Conference*, San Diego, CA.