

Doolarie Singh-Knights, Ph.D.

Associate Professor and Extension Specialist
Agribusiness Economics and Management
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Professional Goal:

To contribute to the development of sustainable agricultural production systems through research, teaching and extension education. This goal is based on the premise that the viability of the agricultural sector of a nation and the survival and growth of its farming population depends greatly on proper design and implementation of relevant research and the timely dissemination of research findings to the farming community and students in the agricultural sciences.

Education

Degree	University	Date
Doctor of Philosophy Degree (Natural Resource Economics)	West Virginia University, Morgantown, West Virginia, USA.	2000-2003
Master of Science Degree (Production Economics).	West Virginia University, Morgantown, West Virginia, USA.	1998-2001
Bachelor of Science (Management Studies).	University of the West Indies, St. Augustine, Trinidad and Tobago	1995-1997
Advanced Diploma in Business Administration	Association of Business Executives, Wimbledon, London, (Distance-Education at the School of Accounting & Management, St. Augustine, Trinidad).	1995-1997
Diploma - Agriculture (Hons.).	Eastern Caribbean Institute of Agriculture and Forestry, ECIAF, Trinidad & Tobago, West Indies.	1987-1989

Professional Experience

Post	Institution	Dates
Associate Professor	West Virginia University Extension Service AND Division of Resource Management, Davis College of Agriculture, Natural Resources and Design	Aug. 2017 - Present
Assistant Professor	West Virginia University Extension Service AND Division of Resource Management, Davis College of Agriculture, Natural Resources and Design	Aug. 2010 - Present
Lecturer	University of the West Indies, Faculty of Science & Agriculture, Department of Agricultural Economics and Extension	Nov. 2006 - July 2010
Assistant Professor	West Virginia University, Division of Resource Management, College of Agriculture, Forestry and Consumer Sciences	Aug. 2004 - Oct. 2006
Assistant Professor	Potomac State College of West Virginia University, Department of Agriculture (Academic Advisor - Division of Agriculture)	Aug. 2003 - May 2004
Graduate Research Assistant (Ph.D.)	West Virginia University, Division of Resource Management	Sept. 2000 - Aug. 2003
Graduate Research Assistant (MSc.)	West Virginia University, Division of Resource Management	Sept. 1998 - Aug. 2000
Lecturer	School of Accounting and Management, St. Augustine, Trinidad, West Indies	Sept. 1997 - Aug. 1998
Extension Agent	4-H and Young Farmers Youth Program, Ministry of Agriculture, Trinidad, West Indies	Oct. 1989 - Aug. 1998

Teaching Experience

Face-To-Face Classes Currently Teaching

- Agribusiness Records and Analysis (ARE 493T), West Virginia University, Fall 2014 to Present.
- Agribusiness Accounting (ARE 110), West Virginia University, Spring 05 to Present.
- Marketing Agricultural Products (ARE 435), West Virginia University, Spring 2006 to Present.
- Agribusiness Marketing (ARE 431), West Virginia University, Spring 2021

Face-To-Face Classes Previously Taught

- Agribusiness Management (ARE 204), West Virginia University, Fall 2016
- Project Appraisal and Implementation (AGBU 3006), University of the West Indies, Fall 2007 to Fall 2010.

- Farm Business Management (AGBU 3000), University of the West Indies, Spring 2007 to Spring 2010.
- International Trade Policy and Regulations (AGBU 3009), University of the West Indies, Spring 2007 to Spring 2010.
- Ecotourism – Product Design and Management (AGBU 3003), University of the West Indies, Spring 2007 to Spring 2010.
- Advanced Microeconomics (AGBU 6501), University of the West Indies, Fall 2007 to Spring 2010.
- Quantitative Methods II (Econometrics) (AGBU 6602), University of the West Indies, Spring 2007 to Spring 2010.
- Principles of Microeconomics, University of the West Indies, Fall 2006.
- Intermediate Microeconomics (ARE 401), West Virginia University, Fall 2006.
- Rural Entrepreneurship (ARE 421), West Virginia University, Fall 2005 to Fall 2006.
- Entrepreneurship and Rural Business Development (Web-Based Course) (ARE 493C), West Virginia University, Fall 2005 to 2006.
- Agribusiness Management (ARE 204), Potomac State College of West Virginia University, Spring 2002 to 2004.

Distance Classes Currently Teaching

- Marketing Livestock Products (ARE 435), West Virginia University, Summer 2014 to Present.
- Agribusiness Accounting (ARE 110), West Virginia University, Spring 05 to Present.

Distance Classes Previously Taught

- AGBU 3000 (Farm Business Management), Spring, 2008

<h2>Licenses and Certifications</h2>

- Certified Facilitator – Real Colors Personality Test, Nov. 2020
- Certified Trainer – FSMA (Food Safety Modernization Act) Preventive Controls Food Safety Program, May 2020
- Food Product Recall Certificate – Virginia Tech, July 2019
- WV Certified Lead Trainer - FSMA (Food Safety Modernization Act) Produce Safety Alliance Food Safety Program, Jan 2018
- Certified Facilitator – ELI (The Entrepreneurial Learning Initiative) Ice House Training Program, May 2017
- Certified Trainer - FSMA (Food Safety Modernization Act) Produce Safety Alliance Food Safety Program, Jan 2017
- Certified Trainer - GAPs (Good Agricultural Practices) Food Safety Training, June 2016
- Certified Facilitator - National Annie's Project, July 2014

- Certified Trainer/Educator – Holistic Management International Whole Farm/Ranch Planning (in Progress)

List of Publications, Proceedings, Abstracts, Presentations and Reports

Refereed Publications:

Quella, L., L. Chase, **D. Singh-Knights**, and D. Conner, 2020. *Journal of Agriculture, Food Systems, and Community Development*. Visitors and Values: A Qualitative Analysis of Agritourism Operator Motivations Across the US. (Accepted with minor revisions – resubmitted).

Redhead, A., S. Carr, **D. Singh-Knights**, A. Abiodun, P. Callayne, A. Nabers, and M. Knights, 2020. *Reproduction in Domestic Animals*. The Relationship between the Concentration of Anti-Mullerian Hormone (AMH) and Fertility and Profitability in Replacement Ewes. (In Press)

A.K. Redhead, N. Siew, N. Lambie, D. Carnarvon, Reeza Ramgattie, D. Singh-Knights, M. Knights. (2020). *Reproduction in Domestic Animals*. The Relationship between the Concentration of AMH (Anti-Mullerian Hormone), Age and Follicle Growth and Development in Water Buffaloes (*Bubalus bubalis*). (Under Review)

D. Singh-Knights, B. Liedl and K. Cox (201X). Factors Affecting Food Safety Compliance and Cost-Effectiveness among Small Fruits and Vegetable Producers in the North. (In Preparation).

Carr, S., **D. Singh-Knights**, and Knights, M. (201X). Effect of Nutritional and Progesterone Supplementation on Fertility and Profitability of Ewe Lambs Systems (In Preparation).

Nabers, A., **Singh-Knights, D.** and Knights, M. (201X). Effect of Varying Concentrations of Progesterone Pre-treatment on Fertility in Ewes (In Preparation).

Knights, M., and **Singh-Knights, D.** (2016). Use of Controlled Internal Drug Releasing (CIDR) Devices to Control Reproduction in Goats: A Review: *Animal Science Journal*. **87**:1084-1089

Rastle-Simpson, S.L., D'Souza, K.N.D., **Singh-Knights, D.**, Baptiste, Q., and **Knights, M.** (2016). Effect of system of lamb rearing and season on early postpartum fertility of ewes and growth performance of lambs in Katahdin sheep. *Journal of Animal Physiology and Animal Nutrition*: Version of Record online: 23 JUL 2016, DOI: 10.1111/jpn.12551

Singh-Knights, D., Daisy Bailey and C. Martel (2015). Linking Agriculture, Tourism, Economics and Education through Cluster Development in Rural Communities. Invited Workshop Presentation in *the Proceedings of the 2015 National Extension Tourism Conference*, Galveston, Texas. October 27-29, 2015. <http://extensiontourism.net/conference/>

Singh-Knights, D. (2015). Business Planning and Risk Mitigation in Agritourism – Tools for Stimulating Micro-Cluster Development. Research Poster in *Proceedings of the 20th International Farm Management Congress*, Quebec, Canada, July 12-17, 2015. <https://www.ifma20.org/documents/files/IFMA20%20Program%20at%20a%20glance.pdf>

Knights, M., Lambie, N., Ramgattie, R., **Singh-Knights, D.**, and Siew, N (2014). Evaluation of Timed Artificial Insemination Protocols in Water Buffaloes in the Tropics. In *Proceedings of the Caribbean Food Crops Society*. 49:322-331. http://cfcs.eea.uprm.edu/sites/default/files/CFCS%202013%20Vol.%2049%20rs_1.pdf

Singh-Knights, D. and M. Knights (2014). "Flock-Management Calendars for Spring- and Fall Lambing in West Virginia." West Virginia Agricultural and Forestry Experiment Station Publication; Davis College of Agriculture, Natural Resources and Design; West Virginia University, Morgantown, WV. October 2005.

Knights, M., Inskeep, K., D'Souza, K., **Singh-Knights, D.**, and Baptiste, Q. (2013). Accomplishment Report in *Proceedings of the 2013 NCERA-214 Coordinating Committee: Increased Efficiency of Sheep Production*. June 10-12, 2013, Utah State University, Logan. UT. <http://nimss.umd.edu/homepages/saes.cfm?trackID=11156#3>.

Dickson N., Siew N., **Singh-Knights D.**, Bourne G. and Knights M (2012). Technical and Economic Outcome using Various Timed Artificial Insemination Protocols in Dairy Cattle in the Tropics. *J Anim Prod Adv* 2012, 2(11): 490-499.

Knights, M., N. Siew, R. Ramgattie, **D. Singh-Knights**, and G. Bourne (2012) - Effect of Time of Weaning on the Reproductive Performance of Barbados Blackbelly Ewes and Lamb Growth Reared in the Tropics. *Small Ruminant Research* 103 (2012), pp. 205-210.

Knights, M., R. Ramgattie, N. Siew, **D. Singh-Knights**, and G. Bourne (2011) - Effectiveness of a Short-term Treatment with Progesterone Injections on Synchrony of Lambing and Fertility in Tropical Hair Sheep. *Animal Reproductive Science* (2011), doi:10.1016/j.anireprosci.2011.04.019.

National and International Conferences and Webinar Presentations:

Singh-Knights, D. (Autor and Presenter) 2020 National Annie's Project Online Conference and Webinar, "Annie's Project Virtual Guidelines/Best Practices – Lessons from WV". October 12th, 2020. Online Event

Singh-Knights, D. (Author and Presenter). 2020 International Workshop on Agritourism, "Reading the Agritourism Operation – Tools for Whole-Farm Planning and Risk Management." Burlington, VT, October 2020 ([Conference postponed to Sept 2021](#))

Wang, W., Chase, L., D. Conner, L. Quella, and **D. Singh-Knights**,. 2020 Food TreX Research Summit, World Food Travel Association, "Access to Resources for Agritourism operators in the US: A Regional View." October, 2020, London, England (Online). <https://worldfoodtravel.org/food-tourism-events/foodtrex-research-summit/> Wang, W., & Chase, L. (2020, October 16).

Singh-Knights, D., 2020 IFAMA World Conference, "Agritourism Cluster Development as 'Paradigm Shifters' in Outdoor Recreation and Rural Community Development – Lessons for the Field". Rotterdam, Netherlands, June 13, 2020. (Original conference canceled; moved online with limited events not including research papers). <https://www.ifama.org/IFAMA-2020-Conf>.

Chase, L., D. Conner, L. Quella, W. Wang, P. Leff, C. Messer, University of Minnesota; **D. Singh-Knights**, and M. Stewart. 2020 NACDEP (National Association of Community Development Extension Professionals) Conference, "Agritourism Critical Success Factors for Entrepreneurship and Community Development." June, 2020, Portsmouth, NH. (Conference moved online - <https://www.nacdep.net/2020-nacdep-conference>).

Singh-Knights, D. (Author and Presenter) 2020. Farm Credit Knowledge Center Farm Transition and Succession Planning Webinar Series, "COVID-19 Impacts on Small Farms & Agritourism in West Virginia." May 26th, 2020. Virtual Event. <https://www.farmcreditofvirginias.com/knowledge-center/events/webinar-covid-19-impacts-small-farms-agritourism-west-virginia>

Singh-Knights, D. (Author and Presenter) 2020. Farm Credit Knowledge Center Farm Transition and Succession Planning Webinar Series, "Planning for Profitability for a Sustainable Future." May 5th, 2020.

Virtual Event. <https://www.farmcreditofvirginias.com/knowledge-center/events/farm-transitionsuccession-planning-profitability>

Conner, D., G. Feenstra, Chase, L., L. Quella, W. Wang, P. Leff, C. Messer, **D. Singh-Knights**, and M. Stewart. 2020 The Agriculture, Food, & Human Values Society (AFHVS) Conference, “Understanding Motivations, Practices and Outcomes for Agritourism Operators Nationwide.” May, 2020, Atlanta, Georgia (Conference Postponed to June 2021).

Singh-Knights, D. (Author & Presenter). 2020 Extension Risk Management Education National Conference, “Planning for Profitability – Assessing your Agritourism Potential – Tools for Making a Great (and Lasting) First Impression.” Denver, CO, USA. (April 3, 2020). (Conference canceled; abstract and presentation online - https://agrisk.umn.edu/Conferences/Presentation/planning_for_profitability_top_ten_lessons_in

Singh-Knights, D. (Author & Presenter). 2020 Extension Risk Management Education National Conference, “Planning for Profitability – Top Ten lessons in Managing Health Profits for a Sustainable Future.” Denver, CO, USA. (April 2, 2020). (Conference canceled; abstract and presentation online - https://agrisk.umn.edu/Conferences/Presentation/assessing_your_agritourism_potential_tools_fo)

Singh-Knights, D. (Author & Presenter) and P. Leff 2020 Extension Risk Management Education National Conference, “Stronger together: Reducing agritourism risk through clusters and farm trails.” Denver, CO, USA. (April 1, 2020). (Conference canceled; abstract and presentation online - https://agrisk.umn.edu/Conferences/Presentation/stronger_together_reducing_agritourism_risk_t

Singh-Knights, D. (Workshop Presenter), S. Wilmer, and L. Wolinski, 2019 National Farm Viability Conference, “Reading the Farm for Educators, Owners and Operators”. Minneapolis, MN, October 23, 2019.

Singh-Knights, D. (Author and Presenter), 2019 Annual National Extension Tourism Conference, “Agribusiness Clusters as Paradigm Shifters in Regional Marketing”. Astoria, OR, Oct 10, 2019.

Chase, L., L. Quella, **D. Singh-Knights** (Co-author and Co-presenter), C. Messer, P. Leff and D. Conner, 2019 Annual National Extension Tourism Conference, “Multi-State Survey on Critical Success Factors for Agritourism”. Astoria, OR, Oct 10, 2019.

Singh-Knights, D. (Author and Presenter) and D. Arbogast, 2019 Annual National Extension Tourism Conference, “Whole-Farm Risk Management and Business Planning Education for Agritourism Stakeholders”. Astoria, OR, Oct 10, 2019.

Singh-Knights, D. (Author & Presenter). 2019 AAEA Annual Conference (AAEA Extension), “Harnessing the Power of Community in Agritourism Clusters – Perspectives from both Sides of the Fence.” Atlanta, GA, USA. (August 23, 2019).

Quella, L, L. Chase, and **D. Singh-Knights**. (Co-Author). 2019 AAEA Annual Conference (AAEA Extension), “Critical Success Factors for Agritourism on Small and Medium Farms: A Multi-State Lens.” Atlanta, GA, USA. (August 23, 2019).

Singh-Knights, D. (Author & Presenter), J. Richmond, B. Brabham, and A. Straight. 2019 Public Issues Leadership Development Conference, “The WV Food Safety Training Team: A Model for Inter-Agency and Cross-Disciplinary Food Safety Partnerships and Leadership.” Crystal City, VA, USA. (April 7, 2019).

Singh-Knights, D. (Author & Co-Presenter), D. Bailey, B. Brabham, Stacey Huffman, J. Richmond, and A. Straight. 2019 Public Issues Leadership Development Conference, “A Novel Approach to Leadership

Development through Women in Agriculture: West Virginia Spotlight Conference Speakers and Farm Tours.” Crystal City, VA, USA. (April 8, 2019).

Singh-Knights, D. (Author & Presenter), K. Cox and B. Liedl. 2019 National Extension Risk Management Conference, “Bridging the Gaps: Lesson Learned from the WV Food Safety Training Initiative.” Louisville, KY, USA. (April 4, 2019).

Cox, K., and **D. Singh-Knights** (Co-Author). 2019 National Extension Risk Management Conference, “From Education to Application – Finding the Missing Link.” Louisville, KY, USA. (April 3, 2019).

Singh-Knights, D. (Author & Presenter). 2019 Nebraska Tourism Commission Agri/Eco Tourism Conference, “Using Tourism to Diversify your Business Mix – The Good, The Bad and the Opportunities.” Ord, NE, USA. (Feb 27, 2019).

Singh-Knights, D. (Author & Presenter) and B. Liedl. 2019 NESARE Winter State Coordinators’ Professional Development Meeting, “SARE Fellows ‘Reading the Farm’ Activity and Farm Tours – Lessons Learned.” Baltimore, MD, USA. (Feb 7, 2019).

Singh-Knights, D. (2018). Whole Farm Risk Assessment and Action Planning for the Agritourism Operator Tools for Building an Effective Risk Management Action Plan. *Invited Workshop Presentation in Proceedings of the 33rd Annual NAFDMA-Farmers’ Inspired Annual National Conference*, Los Angeles California, Feb. 1-7, 2018.

Singh-Knights, D., and M. Knights (2018). Enhancing productivity of sheep through greater access and use of genetically evaluated breeding stock. *Poster Presentation in Proceedings of the Sustainable Agriculture Research and Education National Conference (Our Farms, Our Future Conference - The Next 30 Years of Sustainable Agriculture)*, St. Louis, Missouri, April 2018.

Singh-Knights, D., M. Recklin, and O. Adebisi (2018). The Mountain State Maple Days – A Model of Cluster Development and Collaboration in the Agritourism Supply Chain. *Presentation at the 2018 Annual National Association of Community Development Extension Professionals (NACDEP) Conference*, Cleveland, Ohio, June 10-13, 2018.

Singh-Knights, D. and M. Recklin (2018). Understanding Cluster Development and Collaboration in the Agritourism Supply Chain - The Mountain State Maple Days. *Presentation at the 2018 Extension Risk Management Education National Conference*, Milwaukee, WI, April 2018.

Adebisi, O., and **D. Singh-Knights (2018)**. Agritourism Micro-cluster Networks as a Catalyst for Promoting Sustainable Community Development. *Poster presented at the 76th Agricultural Professionals Conference*, Tuskegee, AL, December 2-4, 2018.

Knights, M. and **D. Singh-Knights** (2018). Approaches to Enhancing Lambing Rate from Out of Season Breeding. National Webinar for the American Sheep Industry (ASI) Association, Dec. 11th, 2018.

Singh-Knights, D., D. Bailey, B. Brabham, K. Cox, and A. Straight (2017). Best Practices in Extension Risk Management Programming for Social Entrepreneurs. *Poster presentation in Proceedings of the 2017 Extension Risk Management Education National Conference*, Cincinnati, OH, April 11-12, 2017.

Bailey, D., J. Richmond, B. Brabham, **D. Singh-Knights**, K. Cox, S. Huffman, A. Straight, and J. Williams (2017). Tips and Practices for Starting and Maintaining an Annual Woman in Agriculture Conference. *Poster presentation in Proceedings of the 2017 Extension Risk Management Education National Conference*, Cincinnati, OH, April 11-12, 2017.

Liedl B. E., **D. Singh-Knights** and M. Knights (2017). Lessons from the WV Sustainable Agriculture Needs Assessment Survey. Presentation in Proceedings of the *17th Biennial 1890 Research Symposium*, Atlanta, Georgia, April 1-4, 2017.

Wolinski, L., **D. Singh-Knights**, Cannella, M., and S. Wilmer (2017). Whole Farm Tour – Hands-on Farm Financial Management Education. Farm Tour and Presentation in Proceedings of the *National Farm Viability Conference*, Albany, NY, May 22-24, 2017.

Singh-Knights, D., B. Brabham, D. Bailey and J. Richmond (2016). The ‘West Virginia Agritourism Initiative’ – Business Planning and Risk Management Education for Stakeholders in the Agritourism Supply Chain. Poster presentation at the 2016 NACAA AM/PIC Annual Meeting, Little Rock, AR, July 24th - 28th, 2016.

Singh-Knights, D., D. Bailey, B. Brabham, K. Cox, S. Huffman, J. Richmond, J. Williams, and A. Straight (2016). West Virginia Female Farmers Receive Risk Mitigation Training by Engaging in Peer-to-Peer Learning on Farm Tours. Poster presentation at the 2016 NACAA AM/PIC Annual Meeting, Little Rock, AR, July 24th - 28th, 2016.

Singh-Knights, D., B. Brabham, D. Bailey, J. Richmond, and A. Straight (2016). Whole Farm Risk Assessment and Action Planning – Tools for Building an Effective Risk Management Action Plan. *Poster presentation in Proceedings of the 2016 Extension Risk Management Education National Conference*, Fort Worth, TX, April 27-28, 2016.
<http://www.agrisk.umn.edu/Library/ConferenceMaterials.aspx?ConfID=15>

Singh-Knights, D., B. Brabham, D. Bailey, and J. Richmond (2016). The “WV Agritourism Initiative” – Whole-Farm Planning and Education for Agritourism Stakeholders. *Poster presentation in Proceedings of the 2016 Extension Risk Management Education National Conference*, Fort Worth, TX, April 27-28, 2016.
<http://www.agrisk.umn.edu/Library/ConferenceMaterials.aspx?ConfID=15>

Bailey, D., **D. Singh-Knights**, D. Bailey, B. Brabham, K. Cox, S. Huffman, J. Richmond, J. Williams, and A. Straight (2016) (2016). West Virginia Female Farmers Receive Risk Mitigation Training by Engaging in Peer to Peer Learning on Farm Tours. *Presentation in Proceedings of the 2016 Extension Risk Management Education National Conference*, Fort Worth, TX, April 27-28, 2016.
<http://www.agrisk.umn.edu/Library/ConferenceMaterials.aspx?ConfID=15>

Singh-Knights, D., and C. Martel (2016). Innovation and Collaboration in the Agritourism Supply Chain – Cluster Development and Implications for Marketing. Presentation in the *Proceedings of the 2016 ANREP/NACDEP Conference*, Burlington, VT, June 26-29th, 2016. <http://www.nacdep.net/2016-anrep-nacdep-conference>

Singh-Knights, D., and C. Martel (2016). Building Viable Agritourism Operations through Business Planning and Risk-Management Education – The ‘WV Agritourism Initiative’. Poster presentation in the *Proceedings of the 2016 ANREP/NACDEP Conference*, Burlington, VT, June 26-29th, 2016.
<http://www.nacdep.net/2016-anrep-nacdep-conference>

Singh-Knights, D., B. Brabham, D. Bailey and J. Richmond (2015). Encouraging Holistic Risk-Mitigation Adoption among WV Annie’s Project Participants – The 5-Page Business Plan for Whole-Farm Planning. Research Presentation in *Proceedings of the 2015 Extension Risk Management Education National Conference* - Minneapolis, MN, April 29-30, 2015.
<http://www.agrisk.umn.edu/Library/ConferenceMaterials.aspx?ConfID=14>

Singh-Knights, D., B. Brabham, D. Bailey and J. Richmond (2015). Risk-Mitigation in Agritourism Operations - GIS and Potential-Assessment Tools for Stimulating Micro-Cluster Development. Research

Poster in *Proceedings of the 2015 Extension Risk Management Education National Conference* - Minneapolis, MN, April 29-30, 2015.
<http://www.agrisk.umn.edu/Library/ConferenceMaterials.aspx?ConfID=14>

Singh-Knights, D., and Barbara Liedl (2015). Implementing Effective Sustainable Agriculture Risk Management Programs - Lessons from the WV Sustainable Agriculture Needs Assessment Survey. Research Poster in *Proceedings of the the 2015 Extension Risk Management Education National Conference* - Minneapolis, MN, April 29-30, 2015.
<http://www.agrisk.umn.edu/Library/ConferenceMaterials.aspx?ConfID=14>

Singh-Knights, D., B. Brabham, D. Bailey and J. Richmond (2015). Building Viable Agritourism and Farm-Based Education Operations through Risk-Management Education – Strategies for Sustained Adult Learning. Research Poster in *Proceedings of the 2015 Extension Risk Management Education National Conference* - Minneapolis, MN, April 29-30, 2015.
<http://www.agrisk.umn.edu/Library/ConferenceMaterials.aspx?ConfID=14>

Statewide (WV) Conferences and Webinar Presentation:

Singh-Knights, D. (Author and Presenter) 2020. West Virginia Farmers Association Annual Planning Meeting, “Getting it Right with Produce Safety Planning”, Dec 11th, 2020, Online Event.

Singh-Knights, D. (Author and Presenter) 2020. West Virginia Farmers Association Annual Planning Meeting, “Business Planning and Financial Analysis Boot Camp”, Dec 11th, 2020, Virtual Event.

Singh-Knights, D. (Author and Presenter) 2020. West Virginia Beekeepers Association Conference, “Tips for Writing a Winning Grant Proposal.” Oct 7th, 2020. Virtual Event

Singh-Knights, D. (Author and Presenter) 2020. West Virginia Beekeepers Association Conference, “Business Structure for Small Farms - 501c and Other Considerations.” Oct 5th, 2020. Virtual Event

Singh-Knights, D. (Author and Presenter) 2020. Mountain States Land Use Academy, “Food and Drink Tourism.” Sept 30th, 2020, Pipestem, WV. (Conference Postponed to 2021)

Singh-Knights, D. (Author and Presenter) 2020, “WV Local Foods Finder Map.” July 16th, 2020, Virtual Event

Singh-Knights, D., (2020) Quarterly Planning Meeting - WVFSTT, “Produce Safety Alliance Grower Training and Expanded Practices for Safety in the Supply Chain.” Sept 17, 2020, Virtual Event.

Singh-Knights, D. (Author and Presenter) 2020. Potomac Highlands Tourism Symposium, “Preparing for New Opportunities in Agritourism and Direct Marketing Post-COVID” Moorefield, WV, USA. July 15, 2020. Virtual Event

Singh-Knights, D. (Author and Presenter) 2020. Potomac Highlands Creative Economy Webinar, “Expanded Practices for Growers, Farmers Markets, and Agritourism Operations.” Moorefield, WV, USA. June 25, 2020. Virtual Event

Singh-Knights, D., and A. Snyder (Author and Co-Presenter) 2020. Food Safety Symposium and Webinar, “Food Safety Documentation for Small Scale Processors – COVID 19 and Beyond”. May 29th, 2020. Virtual Event.

Singh-Knights, D. and Food Safety Training Team. 2020. 16th Annual WV Small Farms Conference, “PSA Grower Produce Safety Training”. Charleston, WV, USA. Feb 19, 2020.

Singh-Knights, D. (Author and Presenter) 2020. 16th Annual WV Small Farms Conference, “Agritourism Roundtable – Q&A with your Neighborhood Agritourism Operators”. Charleston, WV, USA. Feb 21, 2020.

Singh-Knights, D. (Author and Presenter) 2020. 16th Annual WV Small Farms Conference, “It’s a Beautiful Day in the Neighborhood for Agritourism”. Charleston, WV, USA. Feb 21, 2020.

Singh-Knights, D. (Author & Presenter), 2019 WV Women in Agriculture annual Conference, “Beginning with the End in Mind – Financial Planning and Risk Management for Today and Tomorrow.” Stonewall Resort, Roanoke, WV, (Nov 16th, 2019).

Singh-Knights, D. (Author & Presenter), D. Bailey, B. Brabham, D. Arbogast and J. Richmond, 2019 WVU Extension Professional Development Annual Meeting, “The West Virginia Agritourism Initiative – Business Planning and Risk Management Education for Stakeholders in the Agritourism Supply Chain.” Jackson’s Mill, Jane Lew, WV, USA. (Sept 25, 2019).

Singh-Knights, D. (Author & Presenter), B. Brabham, K. Cox and J. Richmond, 2019 WVU Extension Professional Development Annual Meeting, “Bridging the Gaps – Lessons Learned from the WV Food Safety Training Initiative.” Jackson’s Mill, Jane Lew, WV, USA. (Sept 25, 2019).

Singh-Knights, D. (Presenter). 2019 WVU Extension Professional Development Annual Meeting, “Agritourism in West Virginia – the Good, The Bad, and The Opportunities.” Jackson’s Mill, Jane Lew, WV, USA. (Sept 24, 2019).

Cox, K and **D. Singh-Knights**, 2019 WVU Extension Professional Development Annual Meeting, “From Education to Application – Finding the Missing Link.” Jackson’s Mill, Jane Lew, WV, USA. (Sept 25, 2019).

Singh-Knights, D. (2019) Northern Panhandle Regional Tourism Meeting, “Opportunities in Agritourism and Agribusiness Regional Marketing – Building a Community Mindset.” Wheeling, WV, USA. Sept. 18, 2019.

Singh-Knights, D. (2019) Potomac Highlands Regional Tourism Roundtable, “Agritourism Cluster Development.” Moorefield, WV, USA. Aug 14, 2019.

Singh-Knights, D. (2019) Mineral County Chamber of Commerce Entrepreneurship Symposium, “Business Planning and Goal Setting for Profitability – Beginning with the End in Mind.” Keyser, WV, USA. Aug 13, 2019.

Singh-Knights, D. (2019) Potomac Highlands Tourism Symposium, “Agritourism and Direct Marketing – Regional Integration and Cluster Development.” Moorefield, WV, USA. July 15, 2019.

Singh-Knights, D. (2019) WV Extension Webinar – AGBeats, “Agritourism in West Virginia – Successes, Challenges and Opportunities.” Morgantown, WV, USA. July 14, 2019.

Singh-Knights, D. (2019) WV Extension Webinar – AGBeats, “Making \$ and Sense of On-Farm Food Safety.” Morgantown, WV, USA. July 14, 2019.

Singh-Knights, D. and J. Grant (2019) WV Urban Agriculture Conference, “Developing a Food Safety Mindset – Understanding FSMA Requirements and GAPs Recommendations.” Charleston, WV, USA. May 2, 2019.

Singh-Knights, D. (2019) WV Extension Training Course and Webinar Series – WV Agritourism Initiative, “West Virginia Agritourism Initiative – Growing Agritourism and Farm-Based Education in West Virginia - Managing Risks for Improved Income.” 12-Weeks Training Course with 6 Webinars. Morgantown, WV, USA. July 14, 2019.

Singh-Knights, D., and C. Martel (2019) - WV Food Safety Training Program Presentation to WVDA Stakeholders, Charleston, WV, Mar. 5, 2019.

Singh-Knights, D. and C. Martel. (2019) 2019 Annual WV Small Farms Conference, “Selling the Rural WV Tourism Story”. Morgantown, WV, USA. Feb 15, 2019.

Singh-Knights, D., C. Martel and P. Leff. (2019) 2019 Annual WV Small Farms Conference, “Exploring Clustering Realities – The Good, the Bad and the Opportunities.” Morgantown, WV, USA. Feb 15, 2019.

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Singh-Knights, D. (2015) - Budgeting and Risk Management – Whole-Farm Planning Best Practices. Teaching Workshop at the Urban Agriculture Conference, Charleston, WV, Sept. 19th, 2015.

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International Research and Outreach Collaborations

Singh-Knights, D. (2019). ‘Agribusiness Collaborative in Records and Analysis - Enhancing Agribusiness Viability through Improved Business Planning and Risk Management’ Short Course – University of Trinidad and Tobago Local Foods and Agritourism Supply Chain Initiative. Collaborative with the University of Trinidad and Tobago, and the Ministry of Agriculture in Trinidad and Tobago. Sept – Oct, 2019. Completed.

Singh-Knights, D. (2018). Agritourism Collaborative and Mentorship Initiative – University of Trinidad and Tobago Local Foods and Agritourism Supply Chain Initiative. Collaborative with the University of Trinidad and Tobago, and the Ministries of Agriculture and Tourism in Trinidad and Tobago. June 8-17, 2018. Completed.

Singh-Knights, D. and M. Knights (2018). Davis College Sustainability Scholars Travel Abroad – Trinidad

and Tobago. December 10-20, 2018. Completed.

Singh-Knights, D. (2016). Agritourism Collaborative and Mentorship Initiative – University of Trinidad and Tobago Agritourism Supply Chain Initiative. Collaborative with the University of Trinidad and Tobago, and the Ministries of Agriculture and Tourism in Trinidad and Tobago. June 8-17, 2016. Completed.

Knights, M., and **D. Singh-Knights** (2010-2011). Addressing the need for a forage-based small ruminant development project – Collaborative effort with the Ministry of Agriculture and the National Small Ruminants Council in Trinidad and Tobago. 2010 – 2011. Completed.

Knights, M., and **D. Singh-Knights** (2010-2011). Development of a Business Plan for the Redevelopment of the Mon Jaloux Livestock Station (Tabaquite, Trinidad) and submitted to the National Food Prices Committee of Trinidad and Tobago. 2010 to 2011 – Completed.

Knights, M., and **D. Singh-Knights** (2009-2010). Preparation of Business Plans for the ECIAF Training Farm – Collaborative efforts with the Eastern Caribbean Institute of Agriculture and Forestry (ECIAF) in Trinidad and Tobago. Involved preparation of business plans for the following: greenhouse vegetable production and small stock production (rabbits and goats). 2009 to 2010 – Completed.

Singh-Knights, D., (2008-2011). The Impact of Increasing Food Prices on Food Security in Trinidad and Tobago – Forecasting Food Production and Prices and Estimating Marketing Margins. Collaborative effort with University of the West Indies and Government of Trinidad and Tobago. 2008 to 2011 – Completed.

Knights, M., and **D. Singh-Knights** (2009-2010). Assessing the Market Demand for Goats' Milk in Trinidad and Tobago. Collaborative effort with University of the West Indies and Government of Trinidad and Tobago. 2009 to 2010 – Completed.

Singh-Knights, D., and J. Joseph (2008-2010). Promoting Community Development through Ecotourism: The Case of Trinidad and Tobago. Collaborative effort with University of the West Indies and Government of Trinidad and Tobago. 2008 to 2010 – Completed.

Singh-Knights, D., and M. Knights (2008-2010). Assessing the Current Status and Future Potential of Meat Goat Production in West Virginia. Collaborative effort with University of the West Indies and Government of Trinidad and Tobago. 2008 to 2010 – Completed.

Knights, M., and **D. Singh-Knights** (2007-2010). Economic Analysis of Enhanced Milk Production through Improved Reproductive Management of Cattle and Buffaloes. Collaborative effort with University of the West Indies and Government of Trinidad and Tobago. 2007 to 2010 - Completed.

Palmer, D., and **D. Singh-Knights** (2006-2010). Forecasting Sugarcane Production in Jamaica Using a Vector Autoregressive Framework. Collaborative effort with University of the West Indies and Government of Jamaica. 2007 to 2010- Completed Antigua and Barbuda Agriculture and Tourism Linkages and Agri-Tourism. Collaborative effort with University of the West Indies and Government of Antigua and Barbuda. 2006 to 2010 – Completed.

Dissertations, Theses and Non-Thesis Graduate Students

Ph.D Candidates

- Lisa Jones (August 2022) – Ph.D. Candidate in WVU, DCANRD - TBD

- Oluwatoyin Adebisi (May 2021) – Ph.D. Candidate in WVU, DCANRD - TBD
- Doug Arbogast (May. 2020) – Ph.D. Candidate in WVU, DCANRD – *“An Analysis of Destination Competitiveness Factors Among Tourism Regions in West Virginia”*. In Progress.
- Hazel Patterson Andrews (Dec. 2010) – PhD. in Agricultural Economics, UWI - *“Effect of Industrialization on the Profitability of Crop Production in Trinidad and Tobago”*. (Committee Member)
- Jennifer L. Poling (Aug. 2008) – PhD. in Resource Management and Sustainable Development, WVU, DCANRD – *“An Examination of Liability, Duty, and Disclaimers for the Pleasure Horse Industry in West Virginia and Other States.”* (Committee Member)

MPhil. Student –

- Donald Palmer (Aug. 2010) – MPhil in agricultural Economics, UWI - *“Forecasting the Productivity of Sugar Cane Using a Vector Autoregressive Framework.”* (Committee Member)

MSc. (Thesis) Students -

- Richard Rampersaud (Dec. 2014) – MSc. In Agricultural Economics, UWI – *“An Investigation of Factors Influencing Consumption of and the Willingness to Pay for Goat’s Milk in Trinidad and Tobago”*. (Committee Member)
- Kellie D’Souza (Aug. 2013) – MSc. in Animal Sciences, WVU, DCANRD – *“Effects of a Gonadotropin Mixture on Reproductive Success in Progesterone-Treated Non-Lactating Ewes”*. (Committee Member)
- August 2010. Jeanelle Joseph – MSc. in Agricultural Economics, UWI - *“Promoting Community Development through Ecotourism: The Case of Trinidad and Tobago.”* (Supervisor)
- December 2010. Asisha Patterson – MSc. in Agricultural Economics, UWI - *“The Impact of Increasing Food Prices on Food Security – Forecasting Food Production and Prices and Estimating Marketing Margins in Selected Caribbean Countries”* (Supervisor)
- December 2010. Faraad Hosein – MSc. in Agricultural Economics, UWI- *“Assessment of Consumer Response to an Invasive Pest and Disease of Food Animals: The Case of the Tropical Bont Tick in St. Kitts and Nevis.”* (Committee Member)

MS Students (Non-Thesis) Students

- Esther O. Obidakum (May 2019). M.S in Agriculture, WVU DCANRD (Major Advisor – In Progress)
- Dominic Oshoba (May 2019). M.S in Agriculture, WVU DCANRD (Major Advisor – In Progress)
- Ashleigh Nebers (August 2018). M.S. in Agriculture, WVU ANS (Committee Member – Completed)
- Folasade Adedipe (May 2017). M.S in Agriculture, WVU DCANRD (Major Advisor – Completed)
- Happiness Osuma (Dec 2016). M.S in Agriculture, WVU DCANRD (Committee Member)
- Oluwafunke Rebecca Abeleje (Dec 2016). M.S in Agriculture, WVU DCANRD (Committee Member)
- Mary Cook (Dec 2016). M.S in Agriculture, WVU DCANRD (Major Advisor)

- Leons Kabongo (May 2016). M.S in Agriculture, WVU DCANRD (Major Advisor)
- Bolarinwa Ajanaku (May 2016). M.S in Agriculture, WVU DCANRD (Major Advisor)
- Emile Meade (Dec 2015). M.S in Agriculture, WVU DCANRD (Committee Member)
- Jessica Smith (Aug 2015). M.S in Agriculture WVU DCANRD (Committee Member)
- Grant Boudreau (Aug 2015). M.S in Agriculture, WVU DCANRD (Committee Member)
- Mariah Hatton (Aug 2015). M.S in Agriculture, WVU DCANRD (Committee Member).
- Lisa Robinson (Aug 2015). M.S in Agriculture, WVU DCANRD (Committee Member)
- Cindy Martel (Aug 2013). MS in Agriculture, WVU DCANRD (Major Advisor).
- Emily Purdue (Aug 2013). MS in Agriculture, WVU DCANRD (Committee Member).
- Emily Purdue (May, 2012). M.S in Agriculture, WVU DCANRD (Committee Member)
- Jacklyn Hoover (May, 2012). M.S in Agriculture, WVU DCANRD (Committee Member)
- Heather Clower (Octo, 2012). M.S in Agriculture, WVU DCANRD (Committee Member)
- Justin Rambolt (Nov, 2012). M.S in Agriculture, WVU DCANRD (Committee Member)
- Sara Hare (Mar, 2011). M.S in Agriculture, WVU DCANRD (Committee Member)
- Marth Walker (Mar, 2011). M.S in Agriculture, WVU DCANRD (Committee Member)
- Katie Fitzsimmons (May 2005). M.S in Agriculture, WVU DCANRD (Committee Member)
- Andrew Sutton (May 2005). M.S in Agriculture, WVU DCANRD (Committee Member)
- Andrea Young (May 2005). M.S in Agriculture, WVU DCANRD (Committee Member)
- Todd Turner (May 2004). M.S in Agriculture, WVU DCANRD (Committee Member)
- Ryan Vaughn (May 2004). M.S in Agriculture, WVU DCANRD (Committee Member)
- Aaron Berry (May 2004). M.S in Agriculture, WVU DCANRD (Committee Member)

Professional Affiliations

- International Agritourism Association – 2019 – Present
- Agriculture and Natural Resources Extension Professionals (ANREP) – 2015 to Present, Member
- North American Farm Direct Marketing Association (NAFDA) – 2017, Member.
- National Extension Tourism (NET) – 2016 - Member
- Joint Council of Extension Professionals (JCEP) – 2016 - Member
- International Farm Management Congress (IFMC) - 2015 to Present, Member
- National Agritourism Professional Association (NAPA) – 2014 to Present
- Caribbean Academy of Science (CAS) – 2008 to Present, Member

- Caribbean Agro-Economic Society (CAES) – 2006 to Present, Member
- Association of Professional Agricultural Scientists of Trinidad and Tobago (APASTT) – 2006 to Present, Member
- American Agricultural Economics Association (AAEA) – 1998 to Present, Member
- Northeastern Agricultural Resource Economics Association (NAREA) – 1998 to Present, Member
- Southern Agricultural Economics Association (SAEA) – 1998 to Present, Member

Honors, Awards and Service

- Excellence in Research, WVU Extension Service, 2020
- WV Wonder Woman, 2020, WV Living Magazine
- Keynote Speaker, WV Third Annual Agribusiness Conference, Martinsburg, WV
- WVU Extension's New Program Excellence Award 2016 – The WV Agritourism Initiative
- WV Farmers Market Association "Partner of the Year" – 2015
- NACAA Search for Excellence, Farm & Ranch Financial Management National Finalists of Search for Excellence in the category of Farm & Ranch Financial Management (WV Annie's Project) - 2015.
- Faculty Representative Speaker – DCANRD Ground-breaking Ceremony – 9/2013.
- Keynote Speaker, WV Urban Agriculture Conference – 2015.
- Scholar, Regional Agriculture and Food Systems, Northeast Regional Center for rural Development (Northeast Regional Center for Rural development - NERCRD) – 2014-2016
- WVUES Excellence in Diversity Programming Award, 2012 (WV Annie's Project)
- Second place winner, West Virginia University's College of Agriculture, Forestry and Consumer Sciences' Graduate Paper Competition, April 2000.
- Inducted into Gamma Sigma Delta (Honor Society of Agriculture), 2000, West Virginia University Chapter.
- Recipient of the Organization of the American States Fellowship to the Graduate Studies Program, West Virginia University, Division of Resource Management, 1998 to 2000.
- Trinidad and Tobago Government Scholarship to the Eastern Caribbean Institute of Agriculture and Forestry, 1987 to 1989.

Grants and Contracts

Total Grant Funds Applied for since 2010- \$7,452,843; Total Grants Funded since 2010 - \$4,624,010; Pending for 2020 - \$45,870

NAME	AGENCY	ROLE	DURATION	STATUS	FUNDING
Agritourism Safety and Liability: Updating Best Risk Management Practices for the COVID-19 Pandemic	USDA NERME	Collaborator	2021-2023	Pending	\$45,870
Operation Welcome Home: Veterans in Agriculture Training Program	USDA NIFA	Collaborator/Trainer	2020-2025	Funded	\$265,115
Strengthening Ag Workforce Development in the Potomac Highlands Region through Practical Application and Mentorship	USDA AFRI	Co-PI	2021-2025	Funded (Contract forthcoming)	\$345,000
Beginning Farmer Mentorship Training Curriculum	USDA NESARE	PI	2020-2021	Funded	\$44,444
High Tunnel Management Training and Outreach to Improve Local Food Production in West Virginia	NRCS	Key Personnel	2020-2022	Funded	\$30,000
Food Safety - Sub-Award – WVDA's FSA FSMA Cooperative Agreement	WVDA	PI	2020-2021	Funded	\$42,000
Universal Web-Based Farm Management System for Small and Medium Sized Farmers with University Extension Integration	USDA NIFA	Co-PI	2020-2022	Not-Funded	\$250,000
WVDA Specialty Crop Block Grant – Feasibility Study for the West Virginia Economic Development Initiative in Cider Apple and Cider Production	WVDA	PI	2019-2022	Funded	24,500
Food Safety - Sub-Award – WVDA's FSA FSMA Cooperative Agreement	WVDA	PI	2019-2020	Funded	\$70,000
West Virginia Economic Development Initiative in Cider Apple and Cider Production	Claude Worthington Benedum	Co-PI	2019-2021	Pending	\$160,000

	Foundation				
Supporting the Hard Cider Apple Production in West Virginia through Education, Research and Market Analysis	NESARE	Co-PI	2019-2022	Not-Funded	\$198,222
Determinants and Impacts of Agritourism Activities: The Roles Of Agglomeration And Networks	NIFA AFRI	Collaborator	2019-2022	Funded	\$223,000
Food Safety - Sub-Award – WVDA's FSA FSMA Cooperative Agreement	WVDA	PI	2018-2019	Funded	\$148,462
The CHIP Project: Developing and implementing food safety education and outreach for Commercial-Kitchens, Home-Kitchens, Incubator-Kitchens and Food Producers in West Virginia	USDA	Co-PI	2018-2020	Funded	\$152,000
Prescribed Grazing Management Training and Outreach to Improve Livestock Production on Grasslands In WV	NRCS	Co-PI	2018-2019	Funded	\$98,255
WV Annie's Project – Risk Management and Business Planning Training	Farm Credit	PI	2018-2019	Funded	\$3,000
Critical Success Factors for Small and Medium-Sized Farms with Direct Sales and Agritourism	NIFA – AFRI CARE	CO-PI	2018-2021	Funded	\$132,000
Enhancing Social Agripreneurs Viability and Profitability through Education, Agribusiness 'Clustering' Partnerships and Networking Opportunities	USDA-SARE	PI	2017-2020	FUNDED	\$133,500
Critical Success Factors for Small and Medium-Sized Farms with Direct Sales and Agritourism (Applicant – University of Vermont)	USDA AFRI CARE	Co-PI	2017-2021	FUNDED – Not yet started	\$153,000
Expanding the Maple Industry in West Virginia and the Central Appalachian Region through Research and Education	USDA - Acer Access and Development Program (Acer)	Partner	2017-2020	FUNDED – Just Starting	\$203,716
WV Food Safety Training 2015-2018 (No-Cost Extension)	Claude Worthington Benedum	PI	2015-2018	FUNDED – In progress	\$65,000

	Foundation				
Expanding the WV Agritourism Initiative in WV through Cluster Development, Education and Marketing	USDA – AMS - FMPP	PI	2017-2020	NOT-FUNDED	\$301,000
WV SARE Fellows Tour Program	USDA-SARE	PI	2016	FUNDED – Completed	\$11,616
West Virginia University Women's Business Center	US-SBA	CO-PI	2016-2017	FUNDED – In Progress	\$225,000
West Virginia 2016 NESARE Cover Crop Initiative	USDA-SARE	CO-PI	2016-2018	FUNDED – In progress	\$11,107
USDA-AMSTA Farmers Market and Local Foods Promotion Grant Writing Workshops	USDA-AMSTA	PI	2016	FUNDED - Completed	\$4,940
MEND A GAP IN WV: Mentoring and Educating New and Developing Agripreneurs and Growing Agribusiness Profitability in West Virginia – Resubmission	USDA-NIFA	PI	2016-2019	NOT-FUNDED	\$630,000
Appraisal of Market Values for Real Property and Evaluation of the Economic Impacts of Mineral Rights and Leasing on Agricultural Land Values in WV	USDA-NRCS	CO-PI	2015-2016	FUNDED – Completed	\$45,000
Bridging the GAPS - WV Food Safety Training for Small and Mid-Sized Farms	USDA-NERME WVDA - WVSCBG	PI Collaborator	2016-2017 2016-2018	FUNDED – Completed FUNDED – In progress	\$32,000 \$32,000
Managing Marketing and Legal Risks Associated with Direct Markets for Local Foods in West Virginia – WV Market Ready Program	USDA-NERME WVDA - WVSCBG	PI Collaborator	2016-2017 2016-2018	FUNDED – Completed FUNDED – in Progress	\$35,500 \$4,500
WV Food Safety Training 2015-2018	Benedum Found'n USDA - WVDA	PI Co-PI (Sub-Award)	2015-2018 2016-2021	FUNDED – In progress FUNDED - In	\$95,000 \$600,000

				Progress	
Beginning with the End in Mind – Whole-Farm Profit Management for WV Specialty Crops Producers	WVDA	PI	2015-2017	FUNDED – In progress	\$10,000
Greenbrier Valley Agritourism Initiative - - Managing Risks for Improved Income Diversification	WVU Internal Grant	PI	2015-2016	FUNDED - Completed	\$4,585
Economic Feasibility of WV Small-Scale, Pastured Poultry Enterprises	WVU Internal Grant	PI	2015-2016	FUNDED – IN Progress	\$4,000
Sustainable Agriculture Needs Assessment Research Study	WVU Internal Grant	PI	2014-2016	FUNDED – IN Progress	\$6,000
Statewide Assessment of Agritourism’s Economic Impact for West Virginia Communities	WVU Internal Grant	PI	2015-2016	FUNDED – IN Progress	\$12,000
Increasing Producers’ Production and Marketing Efficiency through Understanding WV Livestock (Small Ruminants) Price Signals	WVU Internal Grant	PI	2014-2016	FUNDED – IN Progress	\$6,000
WVSCBG Project Funded Obligations under other Project Partners - The Richwood Pantry Farmers Market; West Virginia Department of Agriculture Food Safety; and Mid-Atlantic Maple Camp	WVDA	CO-PI	2015-2018	FUNDED – In Progress	\$22,000
Enhancing Farm Viability and Profitability through Improved Risk Management.” 2014-2017 NESARE State Professional Development Program for WVU	USDA - NESARE	PI -	2015-2017	FUNDED – In progress	\$133,000
MEND A GAP IN WV: Mentoring and Educating New and Developing Agripreneurs and Growing Agribusiness Profitability in West Virginia – Resubmission	USDA - NIFA	PI	2015-2018	NOT-FUNDED	\$630,000

Enhancing Productivity of Sheep through Greater Access and Use of Genetically Evaluated Stock	USDA - NESARE	PI	2014-2017	FUNDED – In progress	\$15,000
Enhancing Productivity of Ewe Lambs Through Use of Reproductive Management	USDA - NESARE	Co-PI	2014-2017	FUNDED – In progress	\$134,000
Growing Agritourism and Farm-Based Education in West Virginia - Managing Risks for Improved Income Diversification	USDA - NERME	PI	2014-2015	FUNDED – Completed	\$25,000
Record-Keeping and Financial Analysis Made Simple - A Risk Management Approach	USDA-NERME	PI	2014-2016	NOT FUNDED	\$24,000
WV Annie's Project II - Building on Risk Management Improvements for Female Agripreneurs in WV	USDA – NERME	PI	2014-2015	FUNDED - Completed	\$13,000
WV Annie's Project II– Enhancing Farm Viability through Improved Risk Management for Female Agripreneurs in WV	WVSCBG	Co-PI	2014-2016	FUNDED - Completed	\$28,000
Effect of Continuous Suckling/ “Ewe-Rearing” Strategy by Lamb Producers	USDA - NESARE	Co-PI	2013-2015	FUNDED - Completed	\$15,000
Scheduling Vegetable Production in West Virginia High Tunnels for Sustainable Production and Maximum Profits	WVDA – Specialty Crops Blok grant	Co-PI	2014-2017	FUNDED – C	\$16,000
MEND A GAP IN WV: Mentoring and Educating New and Developing Agripreneurs and Growing Agribusiness Profitability in West Virginia	USDA - BFRDP	PI	2014-2017	NOT-FUNDED	\$630,000
Mentoring and Educating New Agripreneurs and Growing Agribusiness Profitability in West Virginia	USDA-NERME	PI	2015-2016	NOT-FUNDED	\$33,000

Performance Testing of Replacement Ewe Lambs to Enhance Feed Efficiency, Reproduction, Growth and in the Flock	National Sheep Ind.	Co-PI	2015-2016	NOT-FUNDED	\$52,000
“Use of Timed Artificial Insemination to Increase Access to and Reduce Cost of Acquiring Improved Goat Genetics” – NESARE Partnership Grant Submitted 07-14 – 06-16; Funding Requested \$14,812	USDA - SARE	Co-PI	2014-2016	NOT-FUNDED	\$14,812
Statewide Assessment of Agritourism’s Economic Impact for West Virginia Communities	USDA - FMIP	PI	2013-2015	NOT-FUNDED	\$65,779
Improving Soil Health and Nutrient Cycling with Cover Crops for Beginning Seasonal High Tunnel Specialty Crop Producers	NRCS - CIG	Co-PI	2012-2015	FUNDED - Completed	\$82,900
Annie’s Project – Enhancing Farm Viability through Improved Risk Management for Female Agripreneurs in WV	USDA - NCRME	PI	2012-2013	FUNDED - Completed	\$39,000
Professional Development for Agriculture Service Providers in Pollution Discharge Elimination System	USDA - NESARE	PI	2012-2015	FUNDED - Completed	\$27,000
Appraisal of Real Property Market Value for the NRCS Grassland Reserve Program (GRP)	NRCS	PI	2011-2012	FUNDED - Completed	\$71,000
Appraisal of Real Property Market Value for the NRCS Wetland Reserve Program (WRP)	NRCS	PI	2011-2013	FUNDED - Completed	\$110,000
Sustaining Family Farms and their Communities by Building New Capacity to Enter Locally Accessible Higher-Value Markets	USDA - NESARE	PI	2011-2014	FUNDED - Completed	\$225,000

Supporting and Expanding the Community of Sustainable Agriculture in West Virginia and the Western Mountain of Maryland – Year 3	USDA - NESARE	PI	2011	FUNDED - Completed	\$75,000
Effect of continuous suckling/ 'ewe-rearing' on growth and level of parasitism of lambs and on productivity and profitability of lamb operations	USDA - NESARE	Co-PI	2011-2014	FUNDED - Completed	\$15,000
Increasing Adoption of Out-of-Season Breeding to Enhance Profitability of Sheep Producers in West Virginia	USDA - NESARE	Co-PI	2011-2014	FUNDED - Completed	\$15,000
Increased Efficiency of Sheep Production – WV Small Ruminant Project	HATCH	Co-PI	2011-2015	FUNDED - Completed	\$85,000
Economic Development by a Strategic Shift in Breeding Time in Ewe Flocks (with P. E. Lewis and others)	WV Legislature	Co-PI	1998 - 2014	FUNDED - Completed	\$344,000
Collaborative Development of Undergraduate Distance Education Courses in “Green” Entrepreneurship	USDA - CSREES	PI	2013-2016	NOT-FUNDED	\$273,000
Economic Analysis of Enhanced Milk Production through Improved Reproductive Management of Cattle and Buffaloes	UWI, Trinidad and Tobago	PI	2007-2010	FUNDED - Completed	\$78,000
WV Meat Goats Information Survey	WV Small Ruminant Project	PI	2005-2006	FUNDED - Completed	\$10,000
Patterns of Welfare and Food Assistance Participation: Implications in Ec. Dev. and Poverty Alleviation in Appalachia	HATCH	PI	2005-2009	FUNDED - Completed	\$135,000
WV Sheep Management Marketing Project	USDA - FSMIP	Co-PI	2001-2003	FUNDED - Completed	\$300,000

Teaching Rural Enterprise Development (ARE 421-7D1) as a Web-Based Course: Integrating Available Instructional Technology to Enhance Learning Outcomes	WVU - Internal Grant	PI	2006	FUNDED - Completed	\$5,000