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WORK EXPERIENCE

- 9/2016 – present: Freelance Associate Editor. *Science & Diplomacy*. www.sciencediplomacy.org
- 8/2012 – present: Agronomist GS-14. US Department of Agriculture – Natural Resources Conservation Service (USDA – NRCS), Resource Assessment Division, Temple, Texas (currently GS-14.6)
- 8/2011 – 8/2012: Agronomist GS-13. US Department of Agriculture – Natural Resources Conservation Service (USDA – NRCS), Resource Assessment Division, Temple, Texas
- 8/2010 – 8/2011: Energy and Environment Adviser GS-12. US Department of State, Bureau of East Asian and Pacific Affairs, Office of Regional and Security Policy (EAP – RSP), Washington, DC
- 2/2010 – 8/2010: Research Agronomist GS-12. US Department of Agriculture – Agricultural Research Service (USDA – ARS), Grassland, Soil, and Water Research Laboratory, Temple, Texas
- 4/2007 – 2/2010: Research Agronomist GS-11. US Department of Agriculture – Agricultural Research Service (USDA – ARS), Grassland, Soil, and Water Research Laboratory, Temple, Texas
- 1/2001 – 5/2001: Research Assistant. US Geological Service – Biological Research Division (USGS-BRD), PIERC Kilauea Field Station, Hawaii National Park, Hawaii
- 8/1998 – 12/2001: Teaching Assistant. Department of Environmental and Plant Biology, Ohio University, Athens, Ohio

COMPETITIVE AND MERIT AWARDS, FELLOWSHIPS, AND WORKSHOPS

- 8/2016 – European Union – African Union – International Institute for Applied Systems Analysis (EU-AU-IIASA) Evidence and Policy: Water-Energy-Food Nexus Event. Ispra, Italy
- 7/2016 – Best Research Paper Award for Impact and Quality, Journal of Soil and Water Conservation (White et al., JSWC. 69:26-40).
- 11/2015 – 12/2015: The World Academy of Sciences for the Advancement of Science in Developing Countries (TWAS), Science Diplomacy Workshop on Sustainable Water Management. Trieste, Italy (Declined due to illness).
- 11/2015 – Abraham Lincoln Honor Award, US Department of Agriculture (USDA)
- 6/2014 – Quality Step Increase, USDA – NRCS
- 3/2014 – Organisation for Economic Co-operation and Development Cooperative Research Program (OECD). Sponsorship to attend “Soil Change Matters” Workshop. Bendigo, Australia
- 1/2014 – 5/2020: Global Young Academy Membership
- 8/2012 – Atlantik-Bruecke Young Leader Award
- 8/2010 – 8/2011: American Academy Advancement of Science (AAAS), Science and Technology Policy Fellowship: Diplomacy, Security, and Development. Washington, DC
- 1/2006 – 12/2006: Texas A&M University, Tom Slick Graduate Research Fellowship
- 6/2005 – 6/2006: National Science Foundation, East Asian and Pacific Summer Institutes (NSF-EAPSI)
- 8/2003 – 8/2006: Environmental Protection Agency, Greater Research Opportunities Fellowship (EPA-GRO)
- 8/2002 – 8/2004: Texas A&M University – Kingsville, Presidential Scholarship
- 10/2002: Houston Livestock Show and Rodeo Research Award
- 7/2002 – 8/2005: Houston Livestock Show and Rodeo, Doctoral Scholarship
- 5/2000: Ohio Biological Survey Travel Award
- 11/1999: John Houk Memorial Research Grant
- 5/1998: John Houk Memorial Research Grant

COMPETITIVE FUNDING & RESEARCH COLLABORATION

- 4/2012 – 4/2016: Western Lake Erie CEAP Project. Goal: Advance strategic conservation through integration of the research and modeling elements of the Wildlife Component of CEAP with the

- assessment and modeling elements of the Cropland Component of CEAP. Collaborators: Rewa C, Duriancik L, Norfleet L, **Johnson MVV**, Arnold J, White M, Vollmer-Sanders C, Sowa S, Legge J, Herbert M, Mysorekar S, Stanley B, Sasson A, Froehlich A, Ludsin S, Reuter J. *Fully Funded*: \$199,645.
- 11/2009 – 11/2014: USDA-NIFA-AFRI, Ecosystem Service Grant. “The sustainability of ecosystem services in switchgrass monocultures, improved pasture, and low input-high diversity grassland” Principal Investigator: Fay PA. Co-Investigators: Polley HW, Jin VL, Kiniry JR, **Johnson MVV**. *Fully Funded*: \$490,300.
- 9/2009 – 9/2013: NSF, Plant Genome Research Program, “GERP: Physiological genomics of *Panicum*: exploring switchgrass responses to climate change” Principle Investigator: Juenger TE; Co-Project Directors: Hawkes CV, Keitt T; Senior Collaborators: Kiniry JR, Fay PA, **Johnson MVV**. *Submitted*: \$5,392,316. *Partially Funded*: \$4,562,447.
- 8/2008 – 1/2011: USDA-NIFA-NRI, “Biosolids Application: Quantifying and Modeling Impacts on Ecosystem Services across Urban, Agricultural, and Wildlife Interfaces.” Principle Investigator: Arnold J; Co-Project Directors: **Johnson MVV**, Jin VL. *Fully Funded*: \$399,347.

ONGOING PROFESSIONAL SERVICE

- 8/2018 – Joint Stakeholders Committee Member for the North Plains Climate Hub and North Central Climate Adaptation Science Center
- 10/2017 – Advisory Council Member, Great Lakes Commission (GLC), Researching the Effectiveness of Agricultural Programs (REAP)
- 1/2017 – Member, International Union for the Conservation of Nature (IUCN), Commission on Ecosystem Management (CEM) for North America and the Caribbean region
- 12/2016 – Working Group Member, Water Resources Advisory Board, Natural Resources Conservation Service
- 10/2015 – Alumni Engagement Advisory Committee Member, Science and Technology Policy Fellowships, American Academy for the Advancement of Science (AAAS)
- 8/2015 – Great Lakes Subgroup Member, Harmful Algal Bloom and Hypoxia Research and Control Act (HABHRCA)

COMPLETED PROFESSIONAL SERVICE

- 6/2018- 7/2018: Member, Selection Committee, National Program Leader – Engineering, Agricultural Research Service
- 2/2018 – 9/2018 – Steering Committee Member, 2018 Evidence and Policy Summer School. Co-organized by IIASA, JRC, INGSA, and GYA 9/2016 –Broadening the Scope of Science Advice Workshop and 2nd INGSA Conference, Science and Policy Making: towards a new dialogue. Laxenburg, Austria
- 12/2017 – 3/2018: Member. Annual General Meeting Program Committee, Global Young Academy (GYA), Bangkok, Thailand
- 5/2017 – 5/2018: Co-Chair, Science Advice Working Group, Global Young Academy
- 5/2017 – 5/2018: Co-Chair Art + Science = Peace + Justice Working Group, Global Young Academy
- 8/2016 – 8/2018: Chair, Agroecology Section, Ecological Society of America (ESA)
- 12/2016 – 7/2017: Member, Programme Organising Committee for the 3rd World Wide Meeting of National Young Academies of Science, Pretoria, South Africa (July, 2017).
- 8/2016: Co-Organizer. Symposium, “Re-envisioning agroecosystems for environmental and human health” Ecological Society of America (ESA). Fort Lauderdale, Florida, USA
- 9/2016 – 8/2017: Member, Steering Committee, Smart Villages Collaborative
- 5/2016 – 5/2017: Co-Chair, Global Young Academy (GYA)
- 4/2016 – 5/2016: Member. Managing Director Selection Committee, Global Young Academy (GYA)
- 2/2016 – 5/2016: Co-Organizer. Workshop, “Science Diplomacy” Global Young Academy (GYA), Eindhoven, Netherlands

10/2015 – 5/2016: Member. Annual General Meeting Program Committee, Global Young Academy (GYA), Eindhoven, Netherlands

8/2015: Chair of Selection Committee determining Global Young Academy’s nominees to the European Commission’s Scientific Advice Mechanism for High-Level Group (SAM-HLG).

8/2015: Volunteer. Workshop, “Federal Agency Networking Session” Ecological Society of America (ESA). Baltimore, Maryland, USA

8/2015: Co-Organizer. Symposium, “100 Years of Agroecology: pushing the frontiers of ecology” Ecological Society of America. Baltimore, Maryland, USA

7/2015 – 10/2015: Scientific Committee Member. “Biofuel and Plant Growth” 2015 SWAT Conference at Purdue University. West Lafayette, Indiana, USA

6/2015 – 6/2016: Executive Committee Member, Global Young Academy (GYA)

1/2015 – 1/2018: Measures of Progress Member, Great Lakes Restoration Initiative (GLRI)

8/2014 – 8/2016: Agroecology Section Vice-Chair, Ecological Society of America (ESA)

8/2013: Mentor. Strategies for Ecology Education, Diversity, and Sustainability (SEEDS). Ecological Society of America. Minneapolis, Minnesota, USA

6/2013 – 8/2013: Mentor. National Science Foundation – Science Talent Expansion Program (NSF-STEP)

4/2013 – 4/2016: Dynamic Soils Properties Technical Team Member, Soil Science Division, Natural Resources Conservation Service (SSD, NRCS)
http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051210.pdf

11/2012 – 11/2013: Editor. Atlantik-Bruecke Young Leaders Newsletter

8/2012 – 8/2016: Rangeland Section Secretary, Ecological Society of America (ESA)

8/2012: Principle Organizer. Ignite Session, “Demystifying science communication, policy, and decision-making: experiences of scientist-practitioners” Ecological Society of America (ESA). Minneapolis, Minnesota, USA

8/2012: Mentor. Agroecology Section. Networking for Students and Early Career Professionals, Ecological Society of America (ESA) Annual Meeting. Portland, Oregon, USA

1/2012 – 12/2012: President. USDA-ARS Employee Club. Temple, Texas, USA

1/2011: Lecturer. Foreign Service Institute. Washington, District of Columbia, USA

1/2009 – 12/2009: President. USDA-ARS Employee Club. Temple, Texas, USA

8/2009: Discussion Leader. Biofuel Development/Plant Growth at 5th International SWAT Conference. Boulder, Colorado, USA

10/2009 – 8/2010: Agricultural Technology Adviser. Advisory board member for Associate of Applied Science degree program, Texas Biosciences Institute, Temple, Texas, USA

11/2008: USDA-ARS Representative and Recruiter. Minorities in Agriculture, Natural Resources and Related Sciences Region IV Workshop. College Station, Texas, USA

8/2008: Discussion Leader. Sustainability and Agronomic Issues Break-out Session. International Workshop on Sorghum for Biofuels. Houston, Texas, USA

5/2008: Lecturer. Soil Festival. Temple, Texas, USA

12/2007- 12/2008: Outreach Program Coordinator. Central Texas Ecologists and Earth Scientists.

10/2007 – 12/2007: Planning Committee Member. Central Texas Ecologists and Earth Scientists Meeting. Temple, Texas, USA

8/2007 – 8/2010: Education Outreach Coordinator. Grassland, Soil, and Water Research Lab, USDA-ARS, Temple, Texas, USA

9/2003 – 8/2005: Supervisor. Lab Technician / Field Technician. Texas A&M University, Kingsville, Texas, USA

2/2003 – 9/2004: President. Wildlife and Agriculture Graduate Student Organization. Texas A&M University, Kingsville, Texas, USA

6/2002 – 9/2004: Coach and Manager. Texas A&M University- Kingsville Plant Team. Kingsville, Texas, USA

4/1999; 4/2000: Organizing Committee Co-Chair. Women in Science Fair. Athens, Ohio, USA

9/1998 – 6/2000: Graduate Student Senator. Environmental and Plant Biology Department elected representative, Athens, Ohio, USA

TECHNICAL REPORTS

- D'Anglada L, Gould C, Thur S, Lape J, Backer L, Bricker S, Clyde T, Davis T, Dortch Q, Duriancik L, Emery E, Evans MA, Fogarty L, Friona T, Garrison D, Graham J, Handy S, **Johnson MVV**, Lee D, Lewitus A, Litaker W, Loeffler C, Lorenzoni L, Malloy EH, Makuch J, Martinez E, Meckley T, Melnick R, Myers D, Ramsdell J, Rohring E, Rothlisberger J, Ruberg S, Ziegler T. 2018. "Harmful Algal Blooms and Hypoxia in the United States: A Report on Interagency Progress and Implementation." National Oceanic and Atmospheric Administration. 152 pp. https://cdn.coastalscience.noaa.gov/page-attachments/research/FINAL_USEC%20signed%20-%20Progress%20and%20Implementation%20Report_HABHRCA.pdf
- U.S. Department of Agriculture, Natural Resources Conservation Service. 2017. Conservation practice adoption on cultivated cropland acres: effects on instream nutrient and sediment dynamics and delivery in Western Lake Erie Basin, 2003-06 and 2012. 77 pp. https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcseprd1355824.pdf
- UNEP. 2016. Unlocking the sustainable potential of land resources: evaluation systems, strategies, and tools. A report of the working group on land and soils of the International Resource Panel. Herrick JE, Arnolds O, Bestelmeyer B, Bringezu S, Han G, **Johnson MVV**, Kimiti D, Lu Y, Montanarella L, Pengue W, Toth G, Tukahirwa J, Velayuthum M, Zhang L. Job number DTI/2002/PA. http://www.unccd.int/Lists/SiteDocumentLibrary/Publications/2016_UNEP_IRP_LSII_summary.pdf
- U.S. Department of Agriculture, Natural Resources Conservation Service. 2016. Effects of conservation practice adoption on cultivated cropland acres in Western Lake Erie Basin, 2003-06 and 2012. 120 pp. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcseprd889806.pdf
- U.S. Department of Agriculture, Natural Resources Conservation Service. 2015. Assessment of the effects of conservation practices on cultivated cropland in the Texas Gulf Basin. 189 pp. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcseprd374812.pdf
- U.S. Department of Agriculture, Natural Resources Conservation Service. 2014. Assessment of the effects of conservation practices on cultivated cropland in the Delaware River Basin. 114 pp. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1263627.pdf
- U.S. Department of Agriculture, Natural Resources Conservation Service. 2014. Assessment of the effects of conservation practices on cultivated cropland in the Pacific Northwest Basin. 171 pp. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1256682.pdf
- U.S. Department of Agriculture, Natural Resources Conservation Service. 2014. Assessment of the effects of conservation practices on cultivated cropland in the South Atlantic Gulf Basin. 173 pp. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1256674.pdf
- U.S. Department of Agriculture, Natural Resources Conservation Service. 2014. Impacts of conservation practice adoption on cultivated acres of cropland in the Chesapeake Bay Region, 2003-06 to 2011. 113 pp. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/technical/nra/?cid=stelprdb1240074>
- U.S. Department of Agriculture, Natural Resources Conservation Service. 2013. Assessment of the effects of conservation practices on cultivated cropland in the Lower Mississippi River Basin. Conservation Effects Assessment Project (CEAP). 203 pp. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1176978.pdf
- U.S. Department of Agriculture, Natural Resources Conservation Service. 2013. Assessment of the effects of conservation practices on cultivated cropland in the Arkansas-White-Red Basin. Conservation Effects Assessment Project (CEAP) 201 pp. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1088485.pdf
- Ernst A, **Johnson MVV**, Musa J, Bullock PN. 2012. XXXIV German-American Young Leaders Conference Report. <http://www.atlantik-bruecke.org/w/files/dokumente/atlantik-bruecke-yl-report.pdf>

- Lawrence D, Laur M, Lawrence P, Weltz M, Herrick J, Pierson F, Nearing M, Spaeth K, Talbot C, Taylor MH, Rollins K, Kobayashi M, Tausch RJ, Bubenheim D, Norfleet L, **Johnson MVV**, Atwood J, Iovanna R, Benson J, Wallace S, Wallace G, Musser K, Chen P, Oman D, Ingram K, Mullarkey D. March 2012. National Conservation Program Soil and Water Resources Conservation Act. 40 pages.
- Johnson MVV**. 2008. Agronomy and Sustainability. Final Report from the International Conference on Sorghum for Biofuels.
<http://www.ars.usda.gov/meetings/Sorghum/Final%20Report%20on%20the%20international%20Conference.pdf>
- Johnson MVV**, Fulbright TE. 2006. Possible mechanisms for buffelgrass success. Caesar Kleberg Wildlife Research Institute Annual Report. Pp 81.
- Johnson MVV**, Fulbright TE. 2006. Differences in decomposition rates of buffelgrass and tanglehead. Caesar Kleberg Wildlife Research Institute Annual Report. Pp 88.
- Johnson MVV**, Fulbright TE, Brown RD. 2005. The effects of an invasive grass on nutrient cycling in South Texas. Caesar Kleberg Wildlife Research Institute Annual Report. Pp 46.
- Johnson MVV**, Fulbright TE, Brown RD. 2005. The effects of exotic species on native species establishment. Caesar Kleberg Wildlife Research Institute Annual Report. Pp 50.
- Johnson MVV**, Fulbright TE, Lin G, Chen S. 2005. Semi-arid grasslands of Northern China: global change. Caesar Kleberg Wildlife Research Institute Annual Report. Pp 51.
- Johnson MVV**, Fulbright TE, Brown RD. 2004. Nutrient cycling loops in buffelgrass and tanglehead. Caesar Kleberg Wildlife Research Institute Annual Report. Pp 33-34.
- Johnson MVV**, Fulbright TE. 2004. Exotic species ingress linked to traditional wildlife management practice. Caesar Kleberg Wildlife Research Institute Annual Report. Pp 38-39.
- Johnson MVV**, Fulbright TE, Brown RD. 2004. Buffelgrass invasion: subsequent tanglehead and buffelgrass success. Caesar Kleberg Wildlife Research Institute Annual Report. Pp 40.
- Johnson MVV**, Fulbright TE, Brown RD. 2003. Effects of native and exotic grasses on nitrogen cycling and microhabitats. Caesar Kleberg Wildlife Research Institute Annual Report. Pp 39.

PEER REVIEWED PUBLICATIONS (*BY INVITATION)

- Reichmann LG, Collins H, Jin VA, **Johnson MVV**, Kiniry JR, Mitchell RB, Polley HW, Fay PA. 2018. Inter-annual precipitation variability decreases switchgrass productivity from arid to mesic environments. *Bioenergy Research* 11:614-622. <https://doi.org/10.1007/s12155-018-9922-3>
- ***Johnson MVV**, Strickland J, and Herrick J. 2018. Careers in Ecology in Federal Agencies. *Frontiers in Ecology* 16:361-362. <https://doi.org/10.1002/fee.1926>
- Neergheen-Bhujan V, Awan AT, Baran Y, Bunnefeld N, Chan K, Edison dela Cruz T, Egamberdieva D, Elsässer S, **Johnson MVV**, Komai S, Konevega A, Malone JH, Mason P, Nguon R, Piper R, Shrestha UB, Pešić, Kagansky A. 2017. Biodiversity, drug discovery, and the future of global health: introducing the biodiversity to biomedicine consortium, a call to action. *Journal of Global Health*. 7:020304
<https://doi.org/10.7189/jogh.07.020304>
- Williams A, Kiniry JR, Mushet DM, Smith L, McMurry S, Attebury K, Lang M, McCarty G, Shaffer J, Effland W, **Johnson MVV**. 2017. Model parameters for representative wetland plant function groups. *Ecosphere* 8 (10). Article ID e01958, 14 pages. <https://doi.org/10.1002/ecs2.1958>
- *Brooks BW, Lazorchak JM, Howard MDA, **Johnson MVV**, Morton SL, Perkins DAK, Reavie ED, Scott GI, Smith SA, Steevens JA. 2017. Invited editorial: In some places, in some cases and at some times, harmful algal blooms are the greatest threat to inland water quality. *Environmental Toxicology and Chemistry* 36:1125-1127. <https://doi.org/10.1002/etc.3801>
- Keitzer SC, Ludsin SA, Sowa S, Annis G, Daggupati P, Froehlich A, Herbert M, **Johnson MVV**, O'Brien M, Yen H, White M, Arnold J, Sasson A, Rewa C. 2016. Thinking outside the lake: can controls on nutrient inputs into Lake Erie benefit stream conservation in the watershed? *Journal of Great Lakes Research* 42:1322-1331. <https://doi.org/10.1016/j.jglr.2016.05.012>
- Yen H, White MJ, Arnold JG, Keitzer SC, **Johnson MVV**, Atwood JA, Daggupati P, Herbert ME, Sowa SP, Ludsin SA, Robertson DM, Rewa CA. 2016. Western Lake Erie Basin: soft-data constrained, NHDPlus

- resolution watershed modeling and exploration of applicable conservation scenarios. *Science of the Total Environment* 569-570:1265-1281. <https://doi.org/10.1016/j.scitotenv.2016.06.202>
- Brooks BW, Lazorchak JM, Howard MDA, **Johnson MVV**, Morton SL, Perkins DAK, Reavie ED, Scott GI, Smith SA, Steevens JA. 2016. Are harmful algal blooms becoming the greatest inland water quality threat to public health and aquatic ecosystems? *Environmental Toxicology and Chemistry* 35:6-13. <https://doi.org/10.1002/etc.3220>
- Smith LM, Effland WR, Behrman KD, **Johnson MVV**. 2015. Assessing the effects of USDA conservation programs on ecosystem services provided by wetlands. *National Wetlands Newsletter*. National Wetlands Newsletter 37:10-14.
- Jin VL, Potter KN, **Johnson MVV**, Harmel RD, Arnold JG. Surface-applied biosolids enhance soil organic carbon and nitrogen stocks but have contrasting effects on soil physical quality. 2015. *Applied and Environmental Soil Science*. Article ID 715916, 10 pages. Doi.10.1155/2015/715916
- Haney RL, Jin VA, **Johnson MVV**, White MJ, Arnold JG. 2015. On-site assessment of extractable soil nutrients after long-term biosolids applications to perennial forage. *Communications in Soil Science and Plant Analysis* 46:889-903.
- Haney RL, Jin VA, **Johnson MVV**, Haney EB, Harmel RD, Arnold JG, White MJ. 2015. Analysis methods for the determination of anthropogenic additions of P to agricultural soils. *Open Journal of Soil Science* 5:59-68.
- Yang Y, Wang Y, Westerhoff P, Hristovski K, Jin VL, **Johnson MVV**, Arnold JG. 2014. Metal and nanoparticle occurrence in biosolids-amended soils. *Science of the Total Environment*. 486:441-449.
- Arnold JG, Harmel RD, **Johnson MVV**, Bingner R, Strickland TC, Walbridge M, Santhi C, Di Luzio M, Wang X. 2014. Impact of the Agricultural Research Service Watershed Assessment studies on the Conservation Effects Assessment Project Cropland National Assessment. *Journal of Soil and Water Conservation* 69: 137A-144A.
- White MJ, Santhi C, Kannan N, Arnold JG, Harmel D, Norfleet L, Allen P, Di Luzio M, Wang X, Atwood J, Haney E, **Johnson MVV**. 2014. Nutrient delivery from the Mississippi River to the Gulf of Mexico and effects on cropland conservation. *Journal of Soil and Water Conservation* 69:26-40.
- Aspinwall MJ, Lowry DB, Taylor SH, Juenger TE, Hawkes CV, **Johnson MVV**, Kiniry JR, and Fay PA. 2013. Genotypic variation in traits linked to climate and aboveground productivity in a widespread C₄ grass: evidence for a functional trait syndrome. *New Phytologist* 199:966-980.
- Damoff GA, Hamlett P, Grubh A, Jin VA, **Johnson MVV**, Fries L. 2013. Earthworms (Oligochaeta: Acanthodrilidae and Lumbricidae) associated with Hornsby Bend Biosolids Management Plant, Travis county, Texas, USA. *Megadrilogica* 15:251-265.
- Kiniry JR, **Johnson MVV**, Venuto BC, Burson BL. 2013. Novel application of ALMANAC: Modeling a functional group, exotic warm-season perennial grasses. *American Journal of Experimental Agriculture* 3:631-650.
- Herrick JE, Urama KC, Karl J, Boos J, **Johnson MVV**, Shepherd KD, Hempel J, Bestelmeyer BT, Davies J, Larson Guerra J, Kosnik C, Kimiti DW, Ekai AL, Muller K, Norfleet L, Ozor N, Reinsch T, Sarukhan JK, West LT. 2013. The global Land-Potential Knowledge System (LandPKS): supporting evidence-based, site-specific land use and management through cloud computing, mobile apps, and crowdsourcing. *Journal of Soil and Water Conservation* 68:5A-12A.
- Kiniry JR, Anderson LC, **Johnson MVV**, Behrman KD, Brakie M, Burner D, Cordsiemon RL, Fay PA, Fritsche R, Houx III JH, Hawkes C, Juenger T, Kaiser J, Keitt TH, Lloyd-Riley J, Maher S, Raper R, Scott A, Shadow A, West C, Wu Y, Zibilske L. 2013 Perennial biomass grasses and the Mason-Dixon line: comparative productivity across latitudes in the Southern Great Plains. *BioEnergy Research* 6:276-291.
- Haney RL, Franzluebbbers A J, Jin VL, **Johnson MVV**, Haney EB, White MJ, Harmel RD. 2012. Soil organic C:N vs. water-extractable organic C:N. *Open Journal of Soil Science* 2:269-274.
- Finzel JA, Seyfried MS, Weltz MA, Kiniry JR, **Johnson MVV**, Launchbaugh KL. 2012. Indirect measurement of leaf area index in sagebrush steppe rangelands. *Rangeland Ecology and Management*. 65:208-212.

- Kiniry JR, **Johnson MVV**, Bruckerhoff SB, Kaiser JU, Cordsiemon RL, Harmel D. 2012. Clash of the titans: comparing productivity via radiation use efficiency for two grass giants of the biofuel field. *Bioenergy Research*. 5:41-48.
- Jin VL, **Johnson MVV**, Haney RL, Arnold JG. 2011. Potential carbon and nitrogen mineralization in soils from a perennial forage production system amended with Class B municipal biosolids. *Agriculture, Ecosystems, and Environment*. 141:461-465.
- Johnson MVV**, Finzel JA, Spanel DA, Weltz M, Sanchez H, Kiniry JR. 2011. A Rancher's ALMANAC. *Rangelands*. April:1-10.
- Kiniry JR, **Johnson MVV**, Mitchell RB, Vogel KP, Bruckerhoff SB, Kaiser J, Cordsiemon RL. 2011. Switchgrass leaf area index and light extinction coefficients. *Agronomy Journal*. 103:119-122.
- Haney RL, Kiniry JR, **Johnson MVV**. 2011. Soil microbial activity under different grass species: underground impacts of biofuel cropping. *Agriculture, Ecosystems and Environment* 139:754-758.
- Johnson MVV**, Kiniry JR, Sanchez H, Polley W, Fay PA. 2010. Comparing biomass yields of low-input high diversity communities with managed monocultures across the central United States. *Bioenergy Research* 3:353-361.
- Johnson MVV**, Kiniry JR, Burson, BL. 2010. Ceptometer deployment method affects measurement of fraction of intercepted photosynthetically active radiation. *Agronomy Journal* 102:1132-1137.
- Johnson MVV**, MacDonald D, Kiniry JR, Arnold J. 2009. ALMANAC: the ideal plant model to be incorporated into SWAT to predict agroforestry yields and impacts. *International Agricultural Engineering Journal* 18:51-58.
- Johnson MVV**, Fulbright TE. 2008. Is exotic plant invasion enhanced by a traditional wildlife habitat management technique? *Journal of Arid Environments* 72:1911-1917.

BOOKS AND BOOK CHAPTERS

- Kiniry JR, Kim S, Meki MN, **Johnson MVV**. 2018. Forage yields estimation with a process-based simulation model. *In Forage Groups*. InTechOpen Publishers. London, UK. *In Press*.
- Kiniry JR, Lynd L, Greene N, **Johnson MVV**, Casler M, Laser MS. 2008. Biofuels and water use: comparison of maize and switchgrass and general perspectives. *In: New Research on Biofuels*. JH Wright and DA Evans, eds. Nova Science Publishers, Inc. Hauppauge, NY. 16 pp.
- Restoration manual for native habitats of South Texas. 2008. Maywald PD, Doan-Crider DL, Smith F, Lawson C, Bryant F, Drawe L, Dunn B, Fulbright TE, Fedynich A, Hanselka CW, Lloyd-Reilley J, Mahler D, Reinke S, Windhager S, Graves D, **Johnson MVV**, Maher S, Peters CM, editors. Caesar Kleberg Wildlife Research Institute, Texas A&M University - Kingsville, Kingsville, Texas 165 pp.

PEER REVIEWED PROCEEDINGS

- Johnson MVV**, Norfleet ML, Atwood JD, Behrman KD, Kiniry JR, Arnold JG, White MJ, Williams J. The Conservation Effects Assessment Project (CEAP): a national scale natural resources and conservation needs assessment and decision support tool. 2015 IOP Conference Series: Earth and Environmental Science 25 <http://iopscience.iop.org/1755-1315/25/1/012012>
- Jin VL, Witherington, E, **Johnson MVV**, Haney RL, Arnold JG. 2010. Impacts of land-applying Class B municipal biosolids on soil microbial activity and soil nutrient and metal concentrations. *Proceedings of the Water Environment Federation. Residuals and Biosolids*. May 23-26. Pp. 1390-1414.
- Weltz M, Pierson F, Nearing M, Goodrich D, Stone J, Spaeth K, Jolley L, Hernandez M, Wei H, Kiniry J, **Johnson MVV**, Arnold J, Bubenheim D, Morris C, Williams J. 2009. Overview of current and future technologies in rangeland management. *Proceedings from the Fourth National Conference on Grazinglands*. December 13-16. 9 pp.

INTERNATIONAL CONFERENCES AND WORKSHOPS (*BY INVITATION)

- ***Johnson MVV**, Behrman KD, Norfleet ML. (12/2018) Temporal concerns around interpretation of landscape scale SWAT modeling outputs: potential implications for conservation decision making. American Geophysical Union. Washington, DC
- Sowa SP, Keitzer SC, Ludsin S, Annis G, Brennan, Daggupati P, Froehlich A., Herbert M, **Johnson MVV**, Yen H, White MJ, Arnold JG, Sasson A, Stanley W, Rewa CA. (7-8/2017) Thinking outside the lake: how might Lake Erie nutrient management efforts benefit streams? Soil and Water Conservation Society. Madison, Wisconsin.
- ***Johnson MVV**, Behrman KD, Atwood JD, Norfleet ML, and Conservation Effects Assessment Project (CEAP). (12/2016) Increasingly, data availability limits model predictive capacity: The Western Lake Erie Basin, a Case Study. American Geophysical Union. San Francisco, California.
- Johnson MVV**, Norfleet ML, Atwood JA, Behrman KD, Williams J. (3/2016) CEAP-cropland: using the soil survey, the national resource inventory, and process based models to predict conservation practice impacts at regional and national scales. International Soil Modeling Consortium. Austin, Texas.
- Osorio Leyton JM, Behrman KD, **Johnson MVV**, Doro L, Williams C, Norfleet ML (3/2016) Evaluation of the impacts on simulated runoff and sediment yield due to differences in soils properties of the SSURGO and NASIS databases at the Western Lake Erie Basin. International Soil Modeling Consortium. Austin, Texas.
- Herrick J, Emile E, Rango A, Peters D, Stott D, Brown J, Bestelmeyer B, Havstad K, **Johnson MVV**, Bringezu S. (11/2015) Restoring rangeland soil health: can it mitigate climate change, increase food security, and reduce poverty and conflict? International Annual Meetings of Agronomy Society of America, Soil Science Society of America, Crop Science Society of America, and Geological Society of America. Minneapolis, Minnesota.
- Keitzer C, Ludsin S, Sowa S, Sasson A, Herbert M, Annis G, Froehlich A, Volmer-Sanders C, Arnold J, White M, Yen H, Daggupati P, Norfleet L, **Johnson MVV**, Atwood J, Rewa C. (10/2015). Using the Soil and Water Assessment Tool to provide critical spatial information about the magnitude of water quality stressors and their effect on stream biodiversity. International SWAT Conference, Purdue, Indiana.
- Yen H, White MJ, Daggupati P, **Johnson MVV**, Sowa SP, Arnold JG. (10/2015) Large scale, NHDPlus resolution watershed modeling in the Western Lake Erie Basin Using SWAT. International SWAT Conference, Purdue, Indiana.
- Meki NM, **Johnson MVV**, Kiniry JR, Norfleet LM, Atwood JD. (6/2015) Drought induced nitrogen and phosphorus credits in corn/soybean rotations in the Upper Mississippi River Basin. 2015 SWAT Conference, Sardinia, Italy.
- Kiniry JR, Meki NM, Metz LJ, **Johnson MVV**. (6/2015) Derivation of crop parameter attributes for cropping systems modeling. 2015 SWAT Conference, Sardinia, Italy.
- Williams CO, Wills S, **Johnson MVV**, Seybold C, Steglich E. (11/2014) Modeling dynamic soil properties in soil survey. International Annual Meetings of Agronomy Society of America, Soil Science Society of America, Crop Science Society of America, and Geological Society of America. Long Beach, California.
- ***Johnson MVV**, Norfleet ML, Atwood JA, Kiniry JR, Arnold JA, White MJ, Williams J (3/2014) The Conservation Effects Assessment Project – operation of a national scheme for soil and environment monitoring. Soil Change Matters Workshop. Bendigo, Victoria, Australia.
- Andrews SS, Wills S, **Johnson MVV**, Herrick J, Norfleet ML (11/2013) A new framework to consider agronomic systems as ecological sites. International Annual Meetings of Agronomy Society of America, Soil Science Society of America, Crop Science Society of America, and Geological Society of America. Tampa, Florida.
- Arnold JG, Jin VA, White MJ, **Johnson MVV**, Bartelt-Hunt SL, Snow DD, Breed C, Brooks BW, Du B, Camargo E, Senseman SA, Cranfield E, Selim HM, Thibodeaux LJ (7/2013) Modeling emerging contaminant transport and fate in SWAT. SWAT Developers Meeting, Toulouse, France.

Norfleet L, Metz L, **Johnson MVV**, Weltz M (7/2013) Conservation Effects Assessment Project: sources and modeling design. 68th International Annual Soil and Water Conservation Society Conference. Reno, Nevada.

***Johnson MVV** (4/2013) Maintaining and increasing landscape productivity through land-use planning based on land potential evaluation systems. United Nations Environment Programme's International Resource Panel – Land and Soils II. Las Cruces, New Mexico.

Herrick JE, Urama KC, Karl J, Boos J, **Johnson MVV**, Shepherd KD, Hempel J, Bestelmeyer BT, Davies J, Larson Guerra J, Kosnik C, Kimiti DW, Losinyen A, Muller K, Norfleet L, Ozor N, Reinsch T, Sarukhan JK, West LT. (2/2013) A land potential knowledge system (LandPKS) based on local and scientific knowledge of land productivity and resilience. 2nd Scientific Conference of the United Nations Convention to Combat Desertification. Fortaleza, Brazil.

***Johnson MVV**, Jin VL, Arnold J (12/2010) Novel beneficial reuse systems with land applied biosolids in agriculture. Joint Chiefs of Mission. Hanoi, Vietnam.

Jin VL, **Johnson MVV**, Arnold J (8/2010) Potential soil transport of 17 β -estradiol in a beneficial reuse system land-applying Class B municipal biosolids for forage production in Central Texas. 6th International SWAT Conference. Seoul, South Korea.

Johnson MVV, Kiniry JR, Burson BL (11/2009) Measuring fraction of intercepted photosynthetically active radiation with a ceptometer: the importance of adopting a universal methodological approach. International Annual Meetings of Agronomy Society of America, Soil Science Society of America, Crop Science Society of America, and Geological Society of America. Pittsburgh, Pennsylvania.

Kiniry JR, **Johnson MVV**, Sanchez H, Weltz M (11/2009) Which is more sustainable, single species stand or mixed? International Annual Meetings of Agronomy Society of America, Soil Science Society of America, Crop Science Society of America, and Geological Society of America. Pittsburgh, Pennsylvania.

Johnson MVV, Jin VL, Arnold J, Witherington EM (8/2009) Municipal biosolid applications: Improving ecosystem services across urban, agricultural, and wildlife interfaces in Austin, Texas. 2nd International Conference on Occurrence, Fate, Effects, and Analysis of Emerging Contaminants in the Environment. Fort Collins, Colorado.

Kiniry JR, **Johnson MVV** (8/2009) Effective parameters for simulating important biofuel crops and grasses. 5th International SWAT Conference. Boulder, Colorado.

***Johnson MVV**, Kiniry JR, MacDonald D, Arnold J (1/2009) Potential use of the ALMANAC and SWAT models to predict agroforestry yields. International SWAT Workshop and Conference in Southeast Asia. Chiang Mai, Thailand.

Johnson MVV, Fulbright TE (2/2006) *Pennisetum ciliare* invasion and subsequent success of native vs. exotic species in the Desert Southwest, USA. 59th Annual Meeting of the Society for Range Management, Vancouver, BC, Canada.

NATIONAL CONFERENCES AND WORKSHOPS (*BY INVITATION)

Dippold DA, Aloysius N, Yen H, Keitzer SC, Arnold JG, Daggupati P, Fraker M, Martin J, Rewa CA, Robertson CA, Robertson DM, Sasson AM, Sowa SP, **Johnson MVV**, White MJ, Ludsin SA. (8/2017) Forecasting the effects of climate and land-use change on fish recruitment in Lake Erie. 147th Annual Meeting of the American Fisheries Society. Tampa, Florida.

Behrman K, **Johnson MVV**, Mushet DM, Effland W. (12/2016) Integrating wetland conservation practices into CEAP Cropland assessment. ACES: A Community on Ecosystem Services. Jacksonville, Florida.

Williams A, Kiniry JR, Mushet D, Smith L, Lang M, **Johnson MVV**. (6/2016) Wetland plant parameters for plant functional groups of multiple wetland systems to aid process-based simulation models. Society for Wetland Scientists. Corpus Christi, Texas.

Brooks BW, Lazorchak JM, Howard MDA, **Johnson MVV**, Morton SL, Perkins DAK, Reavie ED, Scott GI, Smith SA, Steevens JA. (11/2015). Are harmful algal blooms becoming the greatest inland water quality

- threat to public health and aquatic ecosystems? Eighth Symposium on Harmful Algae in the U.S. Long Beach, California.
- ***Johnson MVV** (8/2015) Is Agroecology on the USDA Radar? The Chesapeake Bay, a Case Study *in* Organized Oral Session “Putting agroecology to work: from science to practice and policy” 100th Ecological Society of America. Meeting, Baltimore, Maryland.
- Behrman KD, **Johnson MVV**, Mushet DM, Norfleet ML, Williams JR. (8/2015) Modeling wetlands in the prairie pothole region. 100th Ecological Society of America. Meeting, Baltimore, Maryland.
- Keitzer S, Ludsin S, Sowa S, Sasson A, Herbert M, Annis G, Froehlich A, Vollmer-Sanders C, Arnold J, White M, Yen H, Daggupati P, Norfleet L, **Johnson MVV**, Atwood J, Rewa C. (5/2015) Potential benefits of conservation strategies for stream biodiversity in an agricultural landscape. Society for Freshwater Science Annual Meeting. Milwaukee, Wisconsin.
- King EG, **Johnson MVV**, Augustine DJ (8/2014) Rangeland ecology: cowboys and steaks? 99th Ecological Society of America Meeting. Sacramento, California.
- ***Johnson MVV**, WR Effland (5/2014) Opportunities at the nexus between the cropland and wetland components of the USDA-NRCS Conservation Effects Assessment Project (CEAP). Joint Aquatic Sciences Meeting. Portland, Oregon.
- *Kiniry JR, Williams AS, **Johnson MVV** (5/2014) Enabling process-based simulation modeling of wetlands via development of physiological parameters for wetland plants. Joint Aquatic Sciences Meeting. Portland, Oregon.
- Goodrich DC, Heilman P, Nearing M, Spaeth K, Hernandez M, Wei H, Holifield-Collins C, Kautz M, Nichols M, Barlow J, Guertin P, Burns S, Stone JJ, Weltz M, Metz L, Norfleet L, Duriancik L, **Johnson MVV** (12/2013) Integrating science and land management for the Conservation Effects Assessment Project (CEAP) in southwestern rangelands. Fall Meeting of the American Geophysical Union. San Francisco, California.
- Johnson MVV**, Jin VL, Bartelt-Hunt SL, Brooks BW, Selim HM, Senseman SA, Thibodeaux LJ, Arnold JG (8/2013) Modeling fate and transport of “contaminants of emerging concern” (CECs): is the Soil Water Assessment Tool (SWAT) the appropriate model?” 98th Ecological Society of America Meeting. Minneapolis, Minnesota.
- Johnson MVV** (8/2013) “Why does some research change the world while other work just sits on a shelf?” *in* Ignite Session “Demystifying science communication, policy, and decision-making: experiences of scientist-practitioners.” 98th Ecological Society of America Meeting. Minneapolis, Minnesota.
- McLain JE, Rock CM, Walston S, Westerhoff P, Arnold JG, **Johnson MVV**, Jin VL (10/2012) Trends in bacterial antibiotic resistance in soils following long-term application of municipal biosolids. Joint Annual Meeting of Agronomy Society of America, Soil Science Society of America, and Crop Science Society of America. Cincinnati, Ohio.
- ***Johnson MVV** (8/2012) “Scientists, policy makers can’t hear you! How to improve your chances of being heard” *in* Symposium “The evolving role of environmental scientists in information sustainable ecosystem policy and management.” 97th Ecological Society of America Meeting, Portland, Oregon.
- Hamlett P, Arnold JG, **Johnson MVV**, Jin VL (5/2010) Synthetic organic chemicals in earthworms from agricultural soil amended with municipal biosolids. 58th American Society for Mass Spectrometry Conference on Mass Spectrometry, Salt Lake City, Utah.
- Jin VL, Witherington EM, **Johnson MVV**, Haney RL, Arnold JG (5/2010) Impacts of land-applying Class B municipal biosolids on soil microbial activity and soil nutrient and metal concentrations. Water Environment Federation: Residuals and Biosolids 2010. Savannah, Georgia.
- Johnson MVV**, Kiniry JR, Weltz M, Spanel D, Finzel J, Launchbaugh K, Rodriguez-Barahona L, Rollins K (2/2010) Simulating Effects of Cheatgrass Invasion on Native Bunchgrass Productivity Under Different Precipitation Scenarios. 63rd Annual Meeting of the Society for Range Management and 50th Annual Meeting of Weed Science Society of America, Denver, Colorado.
- *Arnold JG, **Johnson MVV**, Jin VL (11/2009) Municipal biosolid applications: Improving ecosystem services across urban, agricultural, and wildlife interfaces in Austin, Texas. USDA-NIFA-NRI Managed Ecosystems Annual Awardee Meeting. Pittsburgh, Pennsylvania.

- Johnson MVV**, Kiniry JR, Weltz M, Rodriguez L, Rollins K (2/2009) ALMANAC Proves an Accurate Tool for Simulating Plant Productivity in Sagebrush Steppe Sites in the Western United States. 62nd Annual Meeting of the Society for Range Management. Albuquerque, New Mexico.
- Kiniry JR, **Johnson MVV**, Weltz M (2/2009) Techniques for developing plant parameters for simulating native plants with the ALMANAC model. 62nd Annual Meeting of the Society for Range Management. Albuquerque, New Mexico.
- Johnson MVV**, Kiniry JR, Spanel D, Loriaux S, Bunce JA (10/2008) Elucidation of the relationships between vapor pressure deficit, leaf gas exchange, and stomatal conductance. Joint Annual Meeting of Agronomy Society of America, Soil Science Society of America, Crop Science Society of America, and Geological Society of America. Houston, Texas.
- Johnson MVV**, Kiniry JR (8/2008) Comparing the biomass production of three candidate biofuel stock species grown under the same conditions in Central Texas. 93rd Annual Meeting of Ecological Society of America, Milwaukee, Wisconsin.
- Kiniry JR, **Johnson MVV** (4/2008) Simulating biofuel grasses, coastal bermudagrass, and native range species in rainfall limited locations. 38th Annual Biological Systems Simulation Group Conference, Temple, Texas.
- Johnson MVV**, Kiniry JR, Weltz M (1/2008) Which is best: *Panicum virgatum* or *Miscanthus × giganteus*? 61st Annual Meeting of the Society for Range Management, Louisville, Kentucky.
- Johnson MVV**, Fulbright TE (8/2007) Decomposition of native *Heteropogon contortus* and exotic *Pennisetum ciliare*: not functionally redundant in terms of nutrient cycling contributions. 92nd Annual Meeting of Ecological Society of America, San Jose, California.
- Johnson MVV**, Fulbright TE (8/2004) Impacts of habitat manipulation by discing: effects of exotic species, soil, and time. 89th Annual Meeting of Ecological Society of America, Portland, Oregon.
- ***Johnson MVV**, Fulbright TE (5/2004) Potential edaphic effects of buffelgrass (*Pennisetum ciliare*) invasion: from microbial function to ecosystem alteration. Environmental Protection Agency's Science To Achieve Results Graduate Fellowship Conference, Washington, District of Columbia.
- Bashore, SL, **Johnson MVV**, Trese AT. (5/2001) Competition between native rhizobial populations and inoculant populations on a novel mutant *Phaseolus vulgaris* (common bean), with the ability to restrict nodulation. 101st Annual Meeting of the American Society of Microbiology, Orland, Florida
- ***Johnson MVV** (2000) Dysart Woods: the vascular flora of an old-growth, mixed-mesophytic forest; Belmont County, Ohio. Annual Meeting of Ohio Biological Survey, Columbus, Ohio.
- Johnson MVV** (2000) Potential to enhance nodule occupancy of selected improved rhizobial strains in *Phaseolus vulgaris* grown in tropical soils. 109th Annual Meeting of Ohio Academy of Science, Lima, Ohio.

INVITED OUTREACH PRESENTATIONS

- Johnson MVV** (6/2016) Discussant at Side Event, "Leaving no one behind: STI and informal knowledge systems of indigenous peoples, women, and girls" at the Multi-stakeholder Forum on Science, Technology and Innovation for the Sustainable Development Goals, convened by the President of ECOSOC. UN Headquarters, New York, NY
- Johnson MVV** (10/2013) Science outside of academia: venturing into policy. Seminar. Environmental Science Department. Texas Biosciences Institute. Temple, TX
- Johnson MVV** (10/2013) Science outside of academia: venturing into policy. Seminar. Environmental Science Department. Baylor University. Waco, TX
- Johnson MVV** (4/2012) Outside of academia: other ways of applying your advanced degree. Seminar. Department of Ecosystem Science and Management, Texas A&M University. College Station, TX
- Johnson MVV** (4/2010) USDA Agronomy Contributions to Roadmap of Integration of Bioenergy Systems. Hawaii Agricultural Advanced Biofuels Opportunities, Research Questions and Planning Workshop. Honolulu, HI

- Johnson MVV** (1/2010) Standardized methods for measuring intercepted PAR in canopies using ceptometers. Decagon Devices. Free virtual seminar for national and international audience. (<http://www.decagon.com/education/VSO1282010/>)
- Johnson MVV** (12/2009) Careers in Agronomy. Travis Middle School, Temple, TX
- Johnson MVV**, Kiniry JR. (8/2009) Deriving species parameters so the ALMANAC model can be applied to western rangelands. NRCS-Plant Material Center Steering Committee Meeting at the National Technology Support Center, Fort Worth, TX
- Johnson MVV** (2/2008) Promise of cellulosic ethanol and other advantages of perennial grasses. “Our Energy Future” at Hot Science-Cool Talks Lecture Series. University of Texas at Austin, TX
- Johnson MVV** (2/2008) Why choose perennial grasses? Presentation to Texas Master Naturalists, El Camino Real Chapter. Temple, TX
- Johnson MVV** (5/2007) Moving towards understanding buffelgrass ecology. Saguaro National Park Science Symposium. Tucson, AZ
- Johnson MVV** (5/2006) Lessons from global climate change research in Inner Mongolia: how Northern 6/2018-7/2018 China is similar to South Texas. Interview. Channel 3 News, Corpus Christi, TX

OTHER PROFESSIONAL DEVELOPMENT

12/2018 – Science Communication Training for the United States Department of Agriculture, Natural Resources Conservation Service Workshop, Washington, DC

- 5/2014 – Environmental Protection Agency, Clean Water Act Puzzle Workshop. Portland, OR
- 8/2012 – Ecological Society of America, Science Beyond the Field Workshop. Portland, OR
- 6/2012 – USDA-DOI, Interpreting and Measuring Indicators of Rangeland Health. Boise, ID
- 3/2012 – NRCS Plain Language Webinar
- 11/2011 – Starting the Cultural Transformation Conversation Webinar
- 5/2011 – US EPA, Water Quality Standards Academy. Washington, DC
- 4/2010 – USDA-DON, Hawaii Renewable Energy and BioEnergy Industry Forum. Kailua, HI
- 2/2010 – Sun Grant Initiative, National Feedstock Partnership Planning Meeting. San Antonio, TX
- 11/2009 – Agronomy Society of America, Leadership Development Workshop II. Pittsburgh, PA
- 10/2009 – Agronomy Society of America, Leadership Development Workshop I. Pittsburgh, PA
- 3/2009 – USDA-CSREES, Integrated Competitive Programs Grantsmanship Workshop. Las Vegas, NV
- 3/2009 – Cooperative Extension System eXtension, Workshop. Las Vegas, NV
- 12/2008 – Soil, Water Assessment Tool (SWAT) Developer’s Workshop. Salado, TX
- 3/2008 – Business of Fueling the Future Mid-Year Conference. College Station, TX
- 11/2007 – Central Texas Ecologists and Earth Scientists Annual Meeting. Temple, TX
- 10/2007 – American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America International Annual Meeting. New Orleans, LA
- 11/2006 – Central Texas Ecologists and Earth Scientists Annual Meeting. Austin, TX
- 6/2005 – United States – China Carbon Consortium Annual Meeting. Beijing, China
- 1/2004 – Society for Range Management Annual Meeting. Salt Lake City, UT
- 8/2003 – Ecological Society of America Annual Meeting. Savannah, GA

PEER REVIEW

Hiring Panels:

Agricultural Research Service, National Program Leader – Engineering (2018)

Awards Committees:

Next Einstein Forum (NEF) Science and Diplomacy Competition (2016)

Global Innovation through Science and Technology (GIST) Tech-I Competition (2014, 2016, 2018)

AAAS Science and Technology Policy Fellowships (2011, 2012, 2013, 2014, 2017, 2018)

EPA STAR Fellowships (2012)

US DOE Science and Energy Research Challenge (2010)
NSF East Asia Pacific Studies Institute (2006, 2007, 2008)
John Houk Memorial Research Grant (1998, 1999)

Professional Meeting Programs:

Ecological Society of America (2018)

Journals (ad hoc):

Agricultural and Forest Meteorology
Agronomy Journal
BioEnergy Research
Ecological Applications
Journal of Arid Environment
Journal of Environmental Quality
Rangeland Ecology and Management
Soil Research

Local Organizations:

St. Mary's Catholic School Science Fair (2013)
Future Farmers of America (2007)

SOCIETY MEMBERSHIPS

500 Women Scientists
American Association for the Advancement of Science (AAAS)
American Geophysical Union (AGU)
Coastal Conservation Association (CCA)
Ecological Society of America (ESA)
International Network for Government Science Advice (INGSA)
International Union for the Conservation of Nature, Commission on Ecosystem Management (IUCN-CEM)
Seed Savers Exchange (SSE)

TEACHING EXPERIENCE (*GRADUATE LEVEL)

Blinn College, Biology Dept. (December 2004) Guest lectures
Texas A&M University – Kingsville, Biology Dept. (March 2004) Guest lectures
*Integrated Tropical Botany, Ohio University (11/2000-12/2000)
Private Tutor, Ohio University (9/1998- 9/2000)
*Medicinal Plants of Ohio, Ohio University (6/2000)
High-school AP Biology, Private contract (9/2000-12/2000)
Introductory Biology, Ohio University (1/1999-3/1999, 9/2000-11/2000)
Plants and People, Ohio University (1/1999- 12/1999)
Introductory Plant Biology, Ohio University (1/1998-3/1998)

EDUCATION

2014 Certificate in Advanced International Affairs, Bush School of Law and Diplomacy
2007 Dual Ph.D. Wildlife Science. Texas A&M University and Texas A&M University – Kingsville
2001 M.S. Environmental and Plant Biology. Ohio University
1998 B.S. Biology. Tufts University

References Available Upon Request