

JOSEPH S. MORITZ

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CURRENT EMPLOYMENT

PROFESSOR OF POULTRY SCIENCE AND STATE EXTENSION SPECIALIST
WEST VIRGINIA UNIVERSITY, MORGANTOWN, WEST VIRGINIA
RESEARCH, TEACHING, AND EXTENSION APPOINTMENT (45, 30, 25%, RESPECTIVELY)
YEARS EMPLOYED (2002 -), TENURED IN 2008, FULL PROFESSOR PROMOTION IN 2013

PRIMARY RESEARCH-

Feed manufacture
Organic and Pastured poultry production
Feed additive and feedstuff quality assessment
Turkey nutrition and management

COLLABORATIVE RESEARCH-

Biofuel co-products
Companion birds
Poultry litter biochar

PRIMARY TEACHING-

A&VS 275 – Companion Animal Science
ANPR 367 - Poultry Production
ANPR 369 - Poultry Production Laboratory
ANNU 362 – Applied Non-ruminant Nutrition
ANPR 338 - Poultry Evaluation (fall)
ANPR 339 - Poultry Evaluation (spring)

GUEST LECTURER-

AGBI 412 – Intro to Biochemistry Lab
AGBI 512 – Agricultural Biochemistry
ANPR 353 – Pork Production
VETS 402 – Veterinary Anatomy
A&VS 410 – Values and Ethics
A&VS 251 - Principals of Animal Science

GENERAL EXTENSION DUTIES AND EXAMPLES –

Support poultry related educational programs throughout the state for young people, integrators, producers, small-flock owners, and back-yard enthusiasts.

I make significant contributions to newsletters, workshops, field days, 4H and FFA events, and various meetings with invited presentations.

Work as the University liaison with the commercial poultry industry of West Virginia.

I serve on West Virginia Poultry Association committees and conduct collaborative research with integrators.

GENERAL SERVICE DUTIES AND EXAMPLES –

Support operations of professional poultry societies, West Virginia University, The Davis College, and The Division of Animal and Nutritional Sciences.

Participation in National and Regional Poultry Science meetings
Faculty Senator
Member of several College committees
Chair and member of several Division committees

- Sellers, R.B., P.B. Tillman, J.S. Moritz, and K.G.S. Wamsley. The effects of strain and incremental improvements in feed form on d 28 to 42 male broiler performance. 2017. *J. Appl. Poult. Res.* Accepted.
- Lemons, M.E., and **J.S. Moritz**. 2015. The effect of feeder space access and crumble- or pellet-to-fine ratio on 38-day-old broiler performance. *J. Appl. Poult. Res.* 25 (1): 12-20.
- Glover, B.G., K.L. Foltz, I. Holaskova, and **J.S. Moritz**. 2015. Effects of modest improvements in pellet quality and experiment pen size on broiler chicken performance. *J. Appl. Poult. Res.* 25 (1): 21-28.
- Evans, A.M., S.A. Loop, and **J.S. Moritz**. 2015. Effect of poultry litter biochar diet inclusion on feed manufacture and 4- to 21-d broiler performance. *J. Appl. Poult. Res.* 24:380-386.
- Lamp, A.E., A.M. Evans, and **J.S. Moritz**. 2015. The effects of pelleting and glucanase supplementation in hulled barley based diets on feed manufacture, broiler performance, and digesta viscosity. *J. Appl. Poult. Res.* 24:295-303.
- Evans, A.M., D.L. Smith, and **J.S. Moritz**. 2015. Effects of algae incorporation into broiler starter diet formulations on nutrient digestibility and 3 to 21 d bird performance. *J. Appl. Poult. Res.* 24:206-214.
- Forman, A.L., J.A. Fallon, and **J.S. Moritz**. 2015. Cockatiel transition from seed-based diet to complete diets. *Journal of Avian Medicine and Surgery.* 29: 114-119.
- Wamsley, K.G.S., and **J.S. Moritz**. 2014. Assessment of diet formulation strategies that improve crumble quality and poult performance. *J. Appl. Poult. Res.* 23:639-646.
- Corey, A.M., K.G.S. Wamsley, T.S. Winowiski, and **J.S. Moritz**. 2014. Effects of calcium lignosulfonate, mixer-added fat, and feed form on feed manufacture and broiler performance. *J. Appl. Poult. Res.* 23:418-428.
- Loar, R.E., K.G.S. Wamsley, A.M. Evans, **J.S. Moritz**, and A. Corzo. 2014. Effects of varying conditioning temperature and mixer-added fat on feed manufacturing efficiency, 28-42 d broiler performance, early skeletal impact, and true amino acid digestibility. *J. Appl. Poult. Res.* 23:444-455.
- Evans, A.M., B.N. Swiger, K.P. Blemings, M.S. Lilburn, and **J.S. Moritz**. 2014. Effect of Strain and Finisher Diet Non-Phytate Phosphorus Level on Performance and Litter Composition in Large Tom Production. *International Journal of Poultry Science.* 13 (5): 246-252.
- Wamsley, K.G.S., and **J.S. Moritz**. 2013. Resolving poor pellet quality and maintaining amino acid digestibility in commercial turkey diet feed manufacture. *J. Appl. Poult. Res.* 22:439-446.
- Wamsley, K.G.S., and **J.S. Moritz**. 2013. The use of practical diets and regression analyses to determine utilization of lysine and phosphorus in corn distillers dried grains and solubles using Cobb 500 male broilers. *J. Appl. Poult. Res.* 22:279-297.
- Settle, T., **Moritz, J.**, Leonard, S.S., Falkenstein, E., Fix, N., Van Dyke, K., and Klandorf, H. 2013. Effects of a Phytogenic Food Additive Versus an Antibiotic Feed Additive on Oxidative Stress in Broiler Chicks and a Possible Mechanism Determined by Electron Spin Resonance. *International Journal of Poultry Science,* 12:1-8.

- Wamsley, K.G.S., C. K. Gehring, A. Corzo, E.A. Fontana, and **J.S. Moritz**. 2012. Effects of inorganic feed phosphate on feed quality and manufacturing efficiency. *J. Appl. Poult. Res.* 21: 823-829.
- Beaman, K.R., K.G.S. Lilly, C.K. Gehring, P.J. Turk, and **J.S. Moritz**. 2012. Influence of pelleting on the efficacy of an exogenous enzyme cocktail using broiler performance and metabolism. *J. Appl. Poult. Res.* 21: 744-756.
- Loop, S.A., K.G.S. Lilly, L.K. Shires, C.K. Gehring, K.R. Beaman, M.E. Persia, and **J.S. Moritz**. 2012. Phytase analytical activity of pelleted diets may not adequately describe efficacy in the bird. *J. Appl. Poult. Res.* 21: 492-501.
- Corzo, A., L. Mejia, C. D. McDaniel and **J.S. Moritz**. 2012. Interactive effects of feed form and dietary lysine on growth responses of commercial broiler chicks. *J. Appl. Poult. Res.* 21: 70-78.
- Shires, L.K., S. A. Loop, C. K. Gehring, K. G. S. Lilly, K. R. Beaman, P. J. Turk, and **J. S. Moritz**. 2012. Justifying phytogetic feed additive matrix values in conjunction with exogenous feed enzymes. *J. Appl. Poult. Res.* 21: 39-47.
- Lilly, K.G.S., L. K. Shires, B. N. West, K. R. Beaman, S. A. Loop, P. J. Turk, G. K. Bissonnette, and **J. S. Moritz**. 2011. Strategies to improve performance and reduce preharvest *Salmonella* in organic broilers. *J. Appl. Poult. Res.* 20: 313-321.
- Lilly, K.G.S., C. K. Gehring, K. R. Beaman, P. J. Turk, M. Sperow, and **J. S. Moritz**. 2011. Examining the relationship between pellet quality, broiler performance, and bird sex. *J. Appl. Poult. Res.* 20: 231-239.
- Gehring, C.K., K. G. S. Lilly, L. K. Shires, K. R. Beaman, S. A. Loop, and **J. S. Moritz**. 2011. Increasing mixer-added fat reduces the electrical energy required for pelleting and improves exogenous enzyme efficacy for broilers. *J. Appl. Poult. Res.* 20: 75-89.
- Buchanan, N.P., K. G. S. Lilly, and **J. S. Moritz**. 2010. The effects of diet formulation, manufacturing technique, and antibiotic inclusion on broiler performance and intestinal morphology. *J. Appl. Poult. Res.* 2010 19: 121-131.
- Buchanan, N.P., K. G. S. Lilly, C. K. Gehring, and **J. S. Moritz**. 2010. The effects of altering diet formulation and manufacturing technique on pellet quality. *J. Appl. Poult. Res.* 19: 112-120.
- Loar, R.E., II, **J.S. Moritz**, J.R. Donaldson, and A. Corzo. 2010. Effects of feeding distillers dried grains with soluble to broilers from 0 to 28 days posthatch on broiler performance, feed manufacturing efficiency, and selected intestinal characteristics. *Poult. Sci.* 80: 2242-2250.
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- Buchanan, N.P. and **J.S. Moritz**. 2009. Main Effects and Interactions of Varying Protein, Fiber, and Moisture on Feed Manufacture and Pellet Quality. *J. Appl. Poult. Res.* 18: 274-283.
- Gehring, C.K., J. Jaczynski and **J.S. Moritz**. 2009. Improvement of Pellet Quality with Proteins Recovered from Whole Fish Using Isoelectric Solubilization/Precipitation. *J. Appl. Poult. Res.* 18: 418-431.

- Rack, A.L., K.G.S. Lilly, K.R. Beaman, C.K. Gehring and **J.S. Moritz**. 2009. The Effect of Genotype, Choice-Feeding and Season on Organically-Reared Broilers Fed Diets Devoid of Synthetic Methionine. *J. Appl. Poult. Res.* 18: 54-65.
- Latshaw, D.L. and **J.S. Moritz**. 2009. The Partition of Metabolizable Energy by Broiler Chickens. *Poult. Sci.* 88:98-105.
- Seaman, C.E., **J.S. Moritz**, E. Faulkenstein and H. Klandorf, 2008. Inosine Ameliorates the Effects of Hemin-Induced Oxidative Stress in Broilers. *Comparative Biochemistry and Physiology.* 151: 670-675.
- Hott, J.M., Buchanan, N.P., S.E. Cutlip and **J.S. Moritz**. 2008. The Effect of Moisture Addition with a Mold Inhibitor on Pellet Quality, Feed Manufacture and Broiler Performance. *J. Appl. Poult. Res.* 17: 262-271.
- Cutlip, S.E., J.M. Hott, N.P. Buchanan, A.L. Rack, C. Gehring, J.D. Latshaw and **J.S. Moritz**. 2008. The Effect of Steam Conditioning Practices on Pellet Quality and Growing Broiler Nutritional Value. *J. Appl. Poult. Res.* 17: 249-261.
- Buchanan, N.P., J.M. Hott, S.E. Cutlip, A.L. Rack, A. Asamer, and **J.S. Moritz**. 2008. The Effects of a Natural Antibiotic Alternative and a Natural Growth Promoter Feed Additive on Broiler Performance and Carcass Quality. *J. Appl. Poult. Res.* 17: 202-210.
- Buchanan, N.P., L.B. Merritt, A.S. Parsons, G.E. Seidel, W.B. Bryan, E.E.D. Felton and **J.S. Moritz**. 2007. The Effects of Non-Starch Polysaccharide Enzyme Addition and Dietary Energy Restriction on Performance and Carcass Quality of Organic Broiler Chickens. *J. Appl. Poult.* 16:1-12.
- Baker, N.J., A.S. Parsons and **J.S. Moritz**. 2007. Effects of various phytase concentrations in diets with low-phytate corn on broiler chick performance and nutrient use. *Int. J. of Poult. Sci.* 6 (2) 77-84.
- Koch, J.M., **J. S. Moritz**, D. C. Lay Jr., and M. E. Wilson, 2007. Effect of Melengestrol Acetate as an Alternative to Induce Molting in Hens on the Expression of Yolk Proteins and Turnover of Oviductal Epithelium. *Animal Reproduction Science.* 102: 14-23.
- Cramer, K.R., M.W. Greenwood, **J.S. Moritz**, R.S. Beyer and C.M. Parsons, 2007. Protein Quality of Various Raw and Rendered By-product Meals Commonly Incorporated into Companion Animal Diets. *J. Anim. Sci.* 85(12):3285-93.
- Buchanan, N.P., J.M. Hott, L.B. Kimbler and **J.S. Moritz**. 2006. Nutrient Composition and Digestibility of Organic Broiler Diets and Pasture Forages. *J. Appl. Poult. Res.* 16:13-21.
- Parsons, A.S., N.P. Buchanan, K.P. Blemings, M.E. Wilson and **J.S. Moritz**. 2006. Effect of Corn Particle Size and Pellet Texture on Broiler Performance in the Growing Phase. *J. Appl. Poult. Res.* 15:245-255.
- Koch J.M, **J. S. Moritz**, D. C. Lay Jr., and M. E. Wilson. 2005. Melengestrol Acetate as an Effective Alternative to Induce a Decline in Egg Production and Reversible Regression of the Reproductive Tract in Laying Hens II. Effects on Post-Molt Egg Quality. *Poultry Sci.* 84: 1757 – 1762.
- Koch, J.M., **J. S. Moritz**, D. C. Lay Jr., and M. E. Wilson. 2005. Melengestrol Acetate in Experimental Diets as an Effective Alternative to Induce a Decline in Egg Production and Reversible Regression of the Reproductive Tract in Laying Hens I. Determining an Effective Concentration of Melengestrol Acetate. *Poultry Sci.* 84: 1750 – 1756.

- Moritz, J. S.,** A. S. Parsons, N. P. Buchanan, N. J. Baker, J. Jaczynski, O. J. Gekara and W. B. Bryan. 2005. Synthetic methionine and feed restriction effects on performance and meat quality of organically reared broiler chickens. *J. Appl. Poult. Res.* 14: 521-535.
- Moritz, J. S.,** A. S. Parsons, N. P. Buchanan, K. R. Cramer and R. S. Beyer, 2005. Effect of gelatinizing dietary starch through feed processing on 0-to3-week broiler performance and metabolism. *J. Appl. Poult. Res.* 14: 47-54.
- Moritz, J. S.,** K. R. Cramer, K. J. Wilson and R. S. Beyer. 2003. Feed manufacture and feeding of rations with graded levels of added moisture formulated to different energy densities. *J. Appl. Poult. Res.* 12: 371-381.
- Cramer, K. R., K. J. Wilson, **J. S. Moritz** and R. S. Beyer. 2003. Effect of sorghum-based diets subjected to various manufacturing procedures on broiler performance. *J. Appl. Poult. Res.* 12: 371-381.
- Moritz, J. S.,** K. J. Wilson, K. R. Cramer, R. S. Beyer, L. J. McKinney, W. B. Cavalcanti and X. Mo. 2002. Effect of formulation density, moisture and surfactant on feed manufacturing, pellet quality and broiler performance. *J. Appl. Poult. Res.* 11: 155-163.
- Moritz, J. S.,** R. S. Beyer, K. J. Wilson, K. R. Cramer, L. J. McKinney and F. J. Fairchild. 2001. Effect of moisture addition at the mixer to a corn-soybean based diet on broiler performance. *J. Appl. Poult. Res.* 10: 347-353.
- Moritz, J. S.** and J. D. Latshaw. 2001. Indicators of nutritional value of hydrolyzed feather meal. *Poultry Sci.* 80:79-86.

POPULAR PRESS JOURNAL ARTICLES

- J.S. Moritz and A. Corey. The effect of calcium lignosulfonate, mixer-added fat, and feed form on feed manufacture and 23-42d broiler performance. *Feedinfo News Service.* February 2013.
- K.G.S. Lilly and J.S. Moritz. Feeding broilers high-quality pellets shows positive economic return. *Watt Poultry USA.* August 2011. P 26-29.
- J.S. Moritz and L.K. Shires. Poultry litter ash as a pelleting aid and mineral source. *Feedinfo News Service.* March 21, 2011.
- J.S. Moritz. Manipulating amino acids and phosphorus in male turkey diets to optimize performance and reduce environmental impact. *Feedinfo News Service.* May 31, 2011.
- Moritz, J.S. 2007. Impact of the Pelleting Process on Dietary Nutrients and Supplemental Enzymes. *Feedinfo News Service Scientific Reviews.* September 2007. Available from URL: <http://www.feedinfo.com>
- Parsons AS., Buchanan NP., Blemings KP., Wilson ME., Moritz JS. 2007. Corn Particle Size and Pellet Texture: No Small/Subtle Matter to Broiler Growth. *Feedinfo News Service Scientific Reviews.* January 2007. Available from URL: <http://www.feedinfo.com>
- Moritz, J. S. and R. S. Beyer, 2001. Just add water. *Poultry USA.* Vol. 2 no. 4 38-45.

Beyer, R. S. and J. S. Moritz, 2000. Moisture can add to pellet quality, feeding efficiency. Poultry Times. Vol. 47 no. 22 11.

Beyer, R. S., J. S. Moritz, K. J. Wilson, and K. R. Cramer, 2001. Feed processing, feed form affects animal performance. Feedstuffs. 73(6) 11-14.

ABSTRACTS (72 REPRESENTING EFFORT AT WVU)

Mark Lemons, Christopher Mcdaniel, Joseph Moritz, Kelley Wamsley. 2016. Influence of feed form (FF) and diet phase effects on 0-46 d broiler performance. Poultry Sci. Vol. 95 (Suppl. 1): M122.

Marissa A. Weissmann, Misty R. Walsh, Kolby L. Foltz, and Joseph S. Moritz. 2016. Evaluation of a rumen-protected lysine product post pelleting using broiler chick apparent ileal digestibility and performance. Poultry Sci. Vol. 95 (Suppl. 1): 395P.

Lacey Lemonakis, Brian G. Glover, Jordan Garry, Payton Southall, Joseph S. Moritz, and Cangliang Shen. 2016. Microbiological quality assessment, Salmonella and Campylobacter prevalence in broiler ceca and ready-to-cook carcasses. Poultry Sci. Vol. 95 (Suppl. 1): 474P.

Danielle A. Reese, and Joseph S. Moritz. 2016. Efficacy of a novel protease provided to broiler chicks in diets that vary in composition and degree of processing. Poultry Sci. Vol. 95 (Suppl. 1): 28.

Tyler R. Rigby, Brian G. Glover, Kolby L. Foltz, and Joseph S. Moritz. 2016. Effects of modifying diet and feed manufacture concern areas that are notorious for decreasing pellet quality. Poultry Sci. Vol. 95 (Suppl. 1): 47.

Brian G. Glover, Kolby L. Foltz, Kenneth J. Ryan, and Joseph S. Moritz. 2016. Effects of feed form, environment, and caloric density on energy partitioning and subsequent broiler performance. Poultry Sci. Vol. 95 (Suppl. 1): 51.

John W. Boney and Joseph S. Moritz. 2016. The effects of varying short-term steam conditioning temperatures on the mitigation of Enterococcus faecium 8459, a nonpathogenic surrogate of Salmonella. Poultry Sci. Vol. 95 (Suppl. 1): 58.

Mark E. Lemons*, Christopher D. McDaniel1, Joseph S. Moritz, and Kelley G. S. Wamsley. 2016. Influence of feed form and diet phase on day 46 to 53 broiler performance and processing. Poultry Sci. Vol. 95 (Suppl. 1): 381P.

Robert B Sellers, John Boney, Chris McDaniel1, Joseph S. Moritz, Kelley G. S. Wamsley. 2015. Liquid application method (LAM), feed form (FF) and feed pan location effects on D28-56 Ross x Ross 708 male broiler performance and processing characteristics. Poultry Sci. Vol. 94 (Suppl. 1): M80.

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John W. Boney and Joseph S. Moritz. 2015. The effects of Spirulina algae inclusion and conditioning temperature on feed manufacture and pellet quality. Poultry Sci. Vol. 94 (Suppl. 1): 96.

- Danielle A. Reese, Kolby L. Foltz, and Joseph S. Moritz. 2015. The effect of feed mixing and sampling variables on nutrient analysis. *Poultry Sci.* Vol. 94 (Suppl. 1): 101.
- Brian G. Glover and Joseph S. Moritz. 2015. Effects of modest improvements in pellet quality and experiment pen size on broiler chicken performance. *Poultry Sci.* Vol. 94 (Suppl. 1): 103.
- Kolby L. Foltz and Joseph S. Moritz. 2015. Effect of zinc supplementation source and corn particle size on 40-day broiler performance. *Poultry Sci.* Vol. 94 (Suppl. 1): 104.
- Ashley M. Evans and Joseph S. Moritz. 2015. The effect of poultry litter biochar on pellet quality, 1- to 21-d broiler performance, digesta viscosity, bone mineralization, and apparent ileal amino acid digestibility. *Poultry Sci.* Vol. 94 (Suppl. 1): 156.
- Nadiezhdha Cantu-Medellin, Eric W. Weidert, Joseph S. Moritz, and Eric E. Kelley. 2014. Under Clinically-Relevant O₂ tensions and NAD⁺ Concentrations, Xanthine Dehydrogenase (XDH) is a Robust Nitrite Reductase. 8th International Nitric Oxide Conference & 6th International Nitrite/Nitrate Conference, June.
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- Glover, B.G., A.M. Evans, and J.S. Moritz. 2014. The effects of modest improvement to pellet quality on tom turkey performance. *Poultry Sci.* Vol. 93 (Suppl. 1): 65.
- Sellers, R.B., J.W. Boney, C. McDaniel, J.S. Moritz, and K.G.S. Wamsley. 2014. Feed form and liquid application method (LAM) effects on feed augering segregation. *Poultry Sci.* Vol. 93 (Suppl. 1): 67.
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- Wamsley, K.G.S., and J.S. Moritz, 2013. D1-42 yeast product inclusion and D42-118 feed form effects on large tom performance using feed produced at a commercial mill. *Poultry Sci.* Vol. 92. 102.
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- Wamsley, K. G. S., R.E. Loar II, K. Karges, and J. S. Moritz. 2012. Establishing the bioavailability of phosphorus in corn DDGS for D3-21 Cobb 500 male broilers. *Poultry Sci.* Vol. 91 (Suppl. 1): 62.
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- Lemons, M. E., K. G. S. Wamsley, A. E. Lamp, A. M. Evans, K. J. Shipe, and J. S. Moritz. 2012. Lignosulfonate pellet binder and fat increase broiler feed retention time. *Poultry Sci.* Vol. 91 (Suppl. 1): 130.
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- Evans, A. E., K. D. Baldock, D. L. Smith, and J. S. Moritz. 2012. Algae biomass as an energy source for animal feeds. *Poultry Sci.* Vol. 91 (Suppl. 1): P409.
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- Evans, A. and J.S. Moritz, 2011. The effects of early feed amino acid and late feed non-phytate phosphorus levels on large tom performance, yield, and litter composition *Poultry Sci.* Vol. 90 (Suppl. 1): 321.
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- Shires, L.K., and J.S. Moritz, 2011. A novel feed phosphorus source evaluation on feed manufacture and nutritional value. Southern Poultry Science Society 32nd Annual Meeting. January 24 & 25, 2011. Abstract 28.
- Beaman, K.R., K. G. S. Lilly, L. K. Shires, S. A. Loop, and J. S. Moritz, 2010. Determining efficacy of a thermally processed exogenous enzyme cocktail on broiler performance. *Poultry Sci.* Vol. 89 (Suppl. 1): 331.
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- Loar, R.E. II, J. S. Moritz, and A. Corzo, 2010. Effects of varying levels of DDGS on pelleting characteristics and feed mill efficiency. Southern Poultry Science Society. 31st Annual Meeting. January 25 & 26, 2010. Abstract M24.
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Moritz, J. S. and J. D. Latshaw, 1999. Indicators of nutritional value of batch hydrolyzed feather meal. *Poultry Sci.* Vol. 78 (Suppl. 1): 38.

PROCEEDINGS

J.S. Moritz. Considerations for pelleting diets containing enzymes. Multi-State Poultry Feeding and Nutrition Conference. May 20-22, 2014. Indianapolis, In.

J.S. Moritz. Nutritional consequences of pelleting and novel approaches to pellet binding. Mid-Atlantic Nutrition Conference. March 26-27, 2014. Timonium, MD.

J.S. Moritz. Pellet Quality Performance Tests: Milling to Bird Performance. Arkansas Nutrition Conference. September 3-5, 2013. Rogers, AR.

J.S. Moritz. Cockatiel Transition from a Seed-based Diet to Complete Diets. Association of Avian Veterinarians Conference and Expo. August 3-7, 2013. Jacksonville, FL.

J.S. Moritz. *Temperatures: Processing Quality vs. Nutritional Quality*. Poultry Protein and Fat Seminar. US Poultry and Egg Association. October 3-5, 2012. Nashville, TN.

J.S. Moritz. *Pellet Quality*. Feed Mill Management Seminar. US Poultry and Egg Association. March 20-22, 2012. Nashville, TN.

J.S. Moritz. *Maintaining Feed Quality*. Virginia State Feed Association Conference and Nutrient Management College. February 15-17, 2012. Roanoke, Virginia.

J.S. Moritz. *Manipulating amino acid and phosphorus in male turkey diets to optimize performance and reduce environmental impact*. Proceedings of the Multi-State Poultry Feeding and Nutrition Conference. May 24-26, 2011, Indianapolis, IN.

J.S. Moritz. *Effects of feed manufacture on nutrient requirements of poultry*. Proceedings of the 18th European Symposium on Poultry Nutrition. October 31- November 4, Cesme, Turkey. (refereed proceedings) – Invited Speaker

Moritz J.S. and K. G. S. Lilly. *Pellet quality benefits and potential pitfalls*. California Animal Nutrition Conference and Technical Symposium, (2010), Fresno, CA. May 26-27.

Moritz, J.S. and K. G. S. Lilly. *Production strategies and feeding opportunities for pellets of high quality*. Mid-Atlantic Nutrition Conference, (2010). Baltimore, MD. March 24-25.

Moritz, J.S., C.K. Gehring, and K.G.S. Lilly, *Maximizing performance of broilers fed pelleted diets*. Multistate Poultry Feeding and Nutrition Conference, (2009), Indianapolis, IN.

Moritz, J.S. and S. E. Cutlip. 2007. *Impact of the pelleting process on dietary nutrients and supplemental enzymes*. Arkansas Nutrition Conference. Pg 11-13.

Moritz, J. S. and R. S. Beyer, 2001. *The effect of feed processing and feed form on animal performance*. (Paper presented at the South Korea Feed Manufacturing Seminar. Seoul Plaza Hotel. Seoul, South Korea)

Beyer, R. S., J. S. Moritz, K. J. Wilson and K. R. Cramer, 2000. *The effect of feed processing and feed form on animal performance*. (Paper presented at the 61st Minnesota Nutrition Conference. September 19-22, Bloomington, Minnesota)

Cramer, K. R., K. J. Wedekind, K. J. Wilson, J. S. Moritz and R. S. Beyer, 2000. *The effect of increasing sterilization on the bioavailability of amino acids in a canine canned diet using the broiler chick as a model.* (presented at the 2000 Purina Nutrition Forum October 19-22, St. Louis, Missouri)

EXTENSION

Beyer, R. S. and J. S. Moritz, 2000. Preventing black head disease in turkeys. Kansas State University Extension.

Numerous newsletter articles

BOOK CHAPTERS

Gehring, C. K., J. C. Gigliotti, J. C. Tou, J. S. Moritz, and J. Jaczynski. (2010). The biochemistry of isoelectric processing and nutritional quality of proteins and lipids recovered with this technique. In: Handbook of Nutritional Biochemistry, Genomics, Metabolomics and Food Supply. Pp. 255-288. S. haugen, S. Meijer, Nova Science Publishers, Inc.

SUCCESSFUL GRANTS AND CONTRACTS

Effect of ingredient ratio and grain particle size on feed manufacture, pellet quality and subsequent broiler performance and metabolism – J.S. Moritz, Hatch (2002-2008)

Effect of diet formulation and manufacture technique on pellet production, nutrient and exogenous enzyme retention, broiler performance and intestinal health – J.S. Moritz, Hatch (2009 - 2013)

Proper sampling to determine nutritive, feed additive, and mycotoxin content of feed and indicators of thermal detriment to the nutritional value of pelleted feed – J.S. Moritz, Hatch (2014 -)

Synthetic methionine and feed restriction effects on performance and meat quality of organically reared broiler chickens – W.B. Bryan and J.S. Moritz, SARE, \$13,938

Slow-growing broilers in organic poultry production: an alternative to supplemental methionine and a marketing opportunity – J.L. Emmert, J.S. Moritz and C.M. Owens, USDA-NRI, \$87,156 of \$305,000

Visitation of the University of Guanajuato, Mexico – J.S. Moritz, The Daniel C. and Elizabeth Brown Faculty Development Fund, \$873

Effects of practical phytase supplementation on broiler chick growth – J.S. Moritz and N.E. Ward, Roche Vitamins Inc., \$15,000

Effect of egg antibodies: urease and trypsin inhibitor on broiler performance – J.S. Moritz and K. J. Wilson, Anitox Corp., \$5,000

Effect of phytase product and inclusion on broiler performance and tibia mineralization – J.S. Moritz and N.E. Ward, DSM Nutritional Products, Inc., \$12,500

Effect of steam pelleting conditioning temperature on phytase stability and broiler performance – J.S. Moritz and N.E. Ward, DSM Nutritional Products, Inc., \$15,000

Reproductive success of ruffed grouse in relation to nutritional status –The Richard King Mellon Foundation, J.W. Edwards and J.S. Moritz, \$10,000

Pet food ingredient amino acid digestibility obtained from a cockerel digestibility assay – J.S. Moritz and M.W. Greenwood, IAMS Company, \$95,294 (Initial award) + \$58,964.40 (Amendment) = \$154,258

Effect of conditioning temperature on phytase stability – J.S. Moritz and F. Ruch, Phytex LLC, \$6,000

Optimoist and Termin-8 effects on feed manufacture and broiler performance – J.S. Moritz and J.L. Pimentel, Anitox Corp., \$12,000

Effect of a natural feed additive alternative to antibiotics for broilers on built-up litter – J.S. Moritz and A. Asamer, Delacon Biotechnik, \$19,192

Effect of temperature variables on dry lipid coated phytase stability – J.S. Moritz and F. Ruch, Phytex LLC, \$9,000

Effect of protease enzyme on performance of broiler chicks – J.S. Moritz and N.E. Ward, DSM Nutritional Products, Inc., \$8,400

Effect of increasing steam conditioner temperature of feed manufacture on enzyme stability – J.S. Moritz and N.E. Ward, DSM Nutritional Products, Inc., \$7,264

Ileal digestibility of amino acids to determine feed formulation matrix values for vegetable protein enzyme – J.S. Moritz and A.E. Sefton, Alltech, \$11,515

Determination of enzyme stability following thermomechanical feed processing – J.S. Moritz and R. Upton, Syngenta Animal Nutrition, \$9,962

Stability of several commercial phytase additives in pelleted broiler feed – J.S. Moritz and N.E. Ward, DSM Nutritional Products, Inc., \$5,874

Enzyme Pelleting Stability – J.S. Moritz and R. Upton, Syngenta Animal Nutrition, \$5,860

Evaluation of Agristim and BMD on broiler performance and carcass quality in simulated commercial management – J.S. Moritz and W. Robble, Bioagra, \$18,953

Effect of conditioning temperature on stability of commercially available phytase products – J.S. Moritz and F. Ruch, Phytex LLC, \$3,000

Evaluation of Solid State Fermentation Enzyme after steam conditioning and pelleting on broiler performance and energy metabolism – J.S. Moritz and A.E. Sefton, Alltech, \$18,850

Sales of organic broilers from organic production research – J.S. Moritz, N.P. Buchanan and A.L. Rack, \$11,000

Effect of various feed phosphate source on pellet manufacture variables – J.S. Moritz and E. A. Fontana, Mosaic Feed Ingredients, \$7,930

Effects of increasing pelleting temperatures on different commercial preparations of E. coli-derived phytase – J.S. Moritz and R. Upton, Syngenta Animal Nutrition, \$11,960

Effect of conditioning temperature and moisture on phytase retention and subsequent broiler performance and bone mineralization – J.S. Moritz and M.E. Persia, Syngenta Animal Nutrition, \$35,938

Amino acid, and energy digestibility of practically formulated pelleted diets containing Biostrong 510 – J.S. Moritz and K. Purser, Delacon, \$29,137

Phosphorus and calcium sparing effects of diets containing Biostrong 510 – J.S. Moritz and K. Purser, Delacon, \$2,805

Evaluation of Solid State Fermentation Enzyme after steam conditioning and pelleting on broiler performance and energy metabolism (contract extension) – J.S. Moritz and A.E. Sefton, Alltech, \$24,000

Enzyme matrix value justification using cecectomized single comb white leghorn roosters – J.S. Moritz and N.E. Ward, DSM Nutritional Products, Inc., \$13,722

An Integrated Systems Approach to Reduce Salmonella in Organic and All Natural Poultry – (Co-investigator) USDA - National Integrated Food Safety Initiative \$44,647

A comparison of antibiotic alternative products: their effect on health, broiler chicken performance and the presence of antibiotic-resistant bacteria – S.E. Cutlip and J.S. Moritz, West Virginia University Senate Grant, \$12,745

Effect of Nutri-gold Yellow intake on egg lutein levels and yolk color score – J.S. Moritz and M.W. Greenwood, BFI Innovations, Inc. and Akey, \$2,100

Renovations to the Wardensville Turkey Research Barn – P.E. Lewis and J.S. Moritz, West Virginia Legislature, \$118,000

Effect of conditioning temperature on stability of commercially available phytase products (continuation) – J.S. Moritz and F. Ruch, Phytex LLC, \$9,000

Applied Research in Commercial Turkey Production, a Research Collaboration between West Virginia University and Virginia Poultry Growers Cooperative, Inc. – P.E. Lewis, J.S. Moritz and M. Baugher, \$350,000

Phytase stability and efficacy in the chick – J.S. Moritz, Phytex LLC, \$38,375

Amino acid availability in baked vs. extruded avian feed – J.S. Moritz, Caitec, \$3,367

New Columbia Boiler for feed mill – J.S. Moritz and Dean Hackney, WVU Davis College, \$75,000

Omega 3 fatty acid enhancement of pastured poultry eggs – J.S. Moritz and T. McConnell, WV Small Farm Center, \$6,000

Development of a heat stable, genetic variant, e coli derived phytase that demonstrates phosphorus release in a bird model, J.S. Moritz, Verenum Corporation, \$204,684

Determining lysine and available phosphorus matrix values for DDGS of varying inclusions using a broiler performance model, J.S. Moritz and K.G.S. Lilly, POET, \$37,160.

Determining amino acid availability in deoiled DDGS, J.S. Moritz and R.E. Loar. POET, \$15,120

Variation of broiler strain effects on performance and yield. J.S. Moritz and M. White. George's Poultry, \$2,600.

Evaluating the efficacy of Borresperse CA SA and Lignobond DD in practically formulated and manufactured diets on pellet quality, feed mill production, rooster TMEn and TAAD, broiler performance, and gut viscosity. J.S. Moritz and T. Winowinski. Lignotech, \$21,682

Efficacy and thermal tolerance of energy sparing enzymes. J.S. Moritz and J. Lyon. Verenum Corporation, 83,653

Thermal tolerance and efficacy of a protease for straight-run and sexed broilers. J.S. Moritz and P.E. Biggs. BRI – \$32,100

College student support for the College Student Career Program. J.S. Moritz. US Poultry and Egg, Harold E. Ford Foundation, \$11,000

College student support for the College Student Career Program and poultry judging. J.S. Moritz. West Virginia Poultry Association, \$10,000

Assessment of VegPro and SSF in Digesting Amino Acids in Diets Containing an Animal By-Product Meal. J.S. Moritz and A.E. Sefton. Alltech. \$15,404

The effect of phytase granulation on efficacy. J.S. Moritz and A. Solbak. Verenum Corporation. \$44,121

Assessment of phytase dose on corn, soybean meal, and wheat based diets containing varying levels of meat and bone meal and DDGS. J.S. Moritz and N.E. Ward. DSM. \$39,335

Organic zinc supplementation and corn particle size effects on broiler performance and digestibility. J.S. Moritz and T. McDonald. NuTech, \$18,000

The effect of increased steam conditioning on phytase and nsp enzyme thermal stability. J.S. Moritz and A. Batal. Huvepharma, \$7,500

Assessment of Actinidin thermal tolerance in pelleting and effect on availability of amino acids in all vegetable diets and diets that include 8% poultry by-product meal. J.S. Moritz. Kiwi Enzymes Ltd. J.S. Moritz. \$34,082

Strengthening a Wood Energy Team to Facilitate Bio-Business Development in West Virginia. J.S. Moritz. USDA Forest Service. Wang, Devallance, Grushecky, Basden, Gopalakrishnan, and Moritz. \$506,794 total - \$15,185 to Moritz

Effect of strain and nutritional strategy for feathering (sulfur amino acids, biotin, and zinc level) on performance and yield of heavy turkey hens. J.S. Moritz and P. Glover. Aviagen. \$70,000

Biochar as a feed ingredient. A.M. Evans and J.S. Moritz. Northeast SARE Graduate Student Grant. \$14,989

Palatability and performance of porcine fed corn soybean based diets supplemented with experimental algae. J.S. Moritz. Sapphire Energy and DOE. \$64,049

Exogenous phytase and xylanase efficacy in broiler feeding. J.S. Moritz. Huvepharma, Inc. \$115,824

Grain Enzyme Particle Size, Dosing, and Thermal Coating. J.S. Moritz. Agrivida Inc. \$46,639

Phytase Dosing Effects. J.S. Moritz. Adisseo France. \$55,993

Resolving Difficult Pelleting Situations. J.S. Moritz. Anitox. \$9,180

Total - \$2,213,621

INVITED PRESENTATIONS

SCIENTIFIC CONFERENCES

Anitox Advisory Council meeting. January 25, 2016. Lawrenceville, GA. *Poultry Performance through better milling.*

International Poultry Exposition - Anitox Nutrition and Health Seminar. January 26, 2016. Atlanta, GA. *Poultry Performance through better milling.*

Borregaard Feed Manufacture Meeting. January 7, 2016. Stratford, ON. *The Impact of Pellet Quality on Animal Performance and Economics.*

Global Webinar (Live for all three locations). June 16th and 17th. Europe, Middle East, and Africa; Americas; Asia. *Poultry Performance through better milling*

Kreamer Feed Feed Team Meeting. March 23, 2016. Kreamer, PA. *Feed segregation and pellet quality*

Anitox Advisory Council meeting. September 29, 2015. Lawrenceville, GA. *Feed Milling effects on pellet quality and nutrient availability.*

Sanderson Farms Feed Mill Managers Meeting. September, 30 2015. Laurel, MS. *How Feed Milling Affects Feed Quality.*

University of Arkansas Poultry Science Department Seminar. December 8, 2014. Athens, GA. *Pellet Quality Performance Tests: Milling to Bird Performance.*

Multi-State Poultry Feeding and Nutrition Conference. May 20-22, 2014. Indianapolis, In. *Considerations for pelleting diets containing enzymes.*

Mid-Atlantic Nutrition Conference. March 26-27, 2014. Timonium, MD. *Nutritional consequences of pelleting and novel approaches to pellet binding*

International Poultry Exposition - Anitox Nutrition and Health Seminar. January 28, 2014. Atlanta, GA. *Poultry Performance through better milling.*

West Virginia University and Deyu Fung Foods Inc. Collaborative Research Meeting. January. January 8, 2014. Shen Shanxi Province, China. *Nutritional consequences of pelleting poultry feed*

Poultry Science Association Meeting – Borregaard LignoTech Symposium. July 22, 2013. San Diego, CA. *The impact of pelleting techniques on the performance of broilers.*

Arkansas Nutrition Conference. September 3-5, 2013. Rogers, AR. *Pellet Quality Performance Tests: Milling to Bird Performance*

Association of Avian Veterinarians Conference and Expo. August 3-7, 2013. Jacksonville, FL. *Cockatiel Transition from a Seed-based Diet to Complete Diets*

Poultry Protein and Fat Seminar. US Poultry and Egg Association. October 4-5, 2012. Nashville, TN. *Temperatures: Processing Quality vs. Nutritional Quality.*

Feed Mill Management Seminar. US Poultry and Egg Association. March 20-22, 2012. Nashville, TN. *Pellet Quality.*

Virginia State Feed Association Conference and Nutrient Management College (main meeting). February 15-17, 2012. Roanoke, Virginia. *Maintaining Feed Quality.*

Virginia State Feed Association Conference (Feed mill managers dinner). February 15th, 2012. Roanoke, Virginia. *Maintaining Feed Quality in Poultry Feed Mills.*

Multi-State Poultry Feed and Nutrition Conference (2011), Indianapolis, IN. *Manipulating Amino Acids and Phosphorus in Male Turkey Diets to Optimize Performance and Reduce Environmental Impact.*

European Symposium on Poultry Nutrition (2011), Çeşme - İzmir – Turkey. *Effects of Feed manufacturing on nutrient requirements of poultry.*

Appalachian Grazing Conference (2011), *Pastured Poultry.* Morgantown, WV

California Animal Nutrition Conference and Technical Symposium, (2010), Fresno, CA. *Pellet quality benefits and potential pitfalls.*

Mid-Atlantic Nutrition Conference, (2010), Baltimore, MD. *Production strategies and feeding opportunities for pellets of high quality.*

AFBF Northeast Presidents and Administrators Conference, (2010), *Collaborative Turkey Research at West Virginia University.*

Multistate Poultry Feeding and Nutrition Conference, (2009), *Maximizing performance of broilers fed pelleted diets.*

Arkansas Nutrition Conference (2007), *Impact of the pelleting process on dietary nutrients and supplemental enzymes.*

INDUSTRY RELATED PRESENTATIONS

Mountaire Farms, Feed Mill Managers Seminar. December 11, 2013. Salisbury, MD. *Practical milling for performance*

House of Raeford, Feed Milling. October 10, 2013. Ruston, LA. *Improving Pellet Quality.*

Kreamer Feed Inc. (2012), Kreamer, PA. *Improving pellet quality in conventional and organic feeds.*

Verenium Corporation (2012), San Diego, CA. *Energy enzyme analysis and statistical methods in poultry science.*

Adisseo Biennial Sales Meeting (2011), Greensboro, GA. *Feed Manufacture- Past, Present, and Future.*

Verenium Corporation (2011), San Diego, CA. *Poultry production and phytase research data interpretation.*

The Mosaic Co., (2008) Tampa, FL. *West Virginia University feed manufacture and feed phosphate research.*

The Mosaic Co., (2008) Tampa, FL. *The physicochemical properties of feed phosphates affect pellet manufacture variables and P availability.*

Nature's Best (2003). Kreamer, PA. *Synthetic methionine and feed restriction effects on performance and meat quality of organically reared broiler chickens.*

-Several presentations have been conducted upon company visits to Morgantown, WV

EXTENSION PRESENTATION OVERVIEW

AG Beats webinar presentation 2015 – *Avian Influenza Update*

Educational Workshop 2015– *Small-Scale Poultry Production*– Moundsville, WV

Progressive Agriculture Safety Day 2015 - Bruceton Mills, WV

Farm Opportunities Conference. 2014. *Don't forget about the chickens.* Glenville, WV.

County workshops (hands-on). 2014. Poultry on-farm processing.

West Virginia FFA State Officer Training. 2013. *The importance of Poultry to West Virginia, The United States, and the world.*

County workshops (hands-on). 2013. *Poultry on-farm processing.*

West Virginia Small Farms Conference, Morgantown, WV (2010, 2011, 2012), *Organic and Pastured Poultry*

County dinner meetings throughout the state (2011 -) *Pastured poultry management, economics, and marketing DHA and EPA enhanced eggs*

Organic Field Day, Morgantown, WV (2003 -), *Organic and Pastured Poultry*

County Agents Meeting, Wood County, West Virginia (2010), *Backyard Poultry.*

North Carolina State Organic Field Day, (2008), *Building your diet around acceptable range forage*

WV Poultry Energy Audit Meeting, Moorefield, WV (2008), *Poultry Industry Overview.*

Westvaco, Research Advisory Board meeting, (2008), *Selected Research of Joe Moritz, Associate Professor of Poultry Production.*

University of Delaware graduate/faculty seminar, Newark, DE (2003) *Manipulating Feed Form and Subsequent Effects on Bird Performance*

Awards and Honors

Nominated for West Virginia Professor of the Year. 2016.

Graduate Student Award of Excellence – paper – Dani Reese - Poultry Science Association Annual Meeting 2016. (Moritz-Major Professor)

Graduate Student Award of Excellence – paper – Brian Glover - Poultry Science Association Annual Meeting 2016. (Moritz-Major Professor)

Gamma Sigma Delta Outstanding Senior Faculty Award of Merit (2014)

American Feed Industry Association and Poultry Nutrition Research Award (2014)

Davis College of Agriculture, Forestry and Consumer Sciences selection for outstanding teaching (2013)

Animal and Nutritional Sciences selection for outstanding teaching in the Davis College of Agriculture, Forestry and Consumer Sciences (2013)

Nomination for the Poultry Science Association, American Feed Industry Association award 2013.

Graduate Student Award of Excellence – paper – Alina Corey - Southern Poultry Science Society Annual Meeting 2013. (Moritz-Major Professor)

Graduate Student Award of Excellence – poster – Angela Lamp - Southern Poultry Science Society Annual Meeting 2013. (Moritz-Major Professor)

Graduate Student Award of Excellence – paper – Alina Corey – Poultry Science Association Annual Meeting 2013. (highest score of all graduate student presentations at the meeting, not just the nutrition division). (Moritz-Major Professor)

Graduate Student Award of Excellence – paper – Angela Lamp - Poultry Science Association Annual Meeting 2013. (Moritz-Major Professor)

Undergraduate Student Research Presentation Award of Excellence presented at the Poultry Science Association Meeting (2012) to Mark Lemons, Lignosulfonate pellet binder and fat increase broiler feed retention time. (Moritz-Advisor)

Graduate Student Research Presentation Award of Excellence and Aviagen Turkey Research Communication Award presented at the Poultry Science Association Meeting (2010) to Brittany West, The effects of strain and dietary phosphorus level on large tom turkey performance. (Moritz-Major Professor)

Nominated for the 2010 Poultry Science Association, Hy-Line International Research Award

Animal and Nutritional Sciences selection for outstanding service in the Davis College of Agriculture, Forestry and Consumer Sciences (2009)

Undergraduate Student Research Presentation Award of Excellence presented at the Poultry Science Association Meeting (2008) to Kelley Lilly, The effects of fiber, moisture and protein on pellet manufacture variables. (Moritz-Advisor)

Graduate Student Research Presentation Award of Excellence presented at the Poultry Science Association Meeting (2008) to Amanda Rack, The effect of genotype, choice-feeding and season on organically reared broilers fed diets devoid of synthetic methionine. (Moritz-Major Professor)

Graduate Student Research Presentation Award of Excellence presented at the Poultry Science Association Meeting (2008) to Nancy Buchanan, The effect of diet formulation and manufacturing technique on pellet processing variables and quality. (Moritz-Major Professor)

Land O' Lakes/Purina Mills National Teaching Award (2007)

Undergraduate Student Research Presentation Award of Excellence presented at the Poultry Science Association Meeting (2007) to Curran Gehring, Muscle Proteins Recovered from Trout Frames: Potential Pellet Binding Agent and Source of Essential Amino Acids. (Moritz-Advisor)

Animal and Nutritional Sciences selection for outstanding research in the Davis College of Agriculture, Forestry and Consumer Sciences (2006)

Gamma Sigma Delta Outstanding Junior Faculty Award of Merit (2006)

Davis College of Agriculture, Forestry and Consumer Sciences selection for outstanding teaching (2004)

Animal and Nutritional Sciences selection for outstanding teaching in the Davis College of Agriculture, Forestry and Consumer Sciences (2004)

Animal and Nutritional Sciences selection for outstanding teaching in the Davis College of Agriculture, Forestry and Consumer Sciences (2003)

Gamma Sigma Delta Honorary Agricultural Society member (2003 induction)

Certificate of achievement for the most outstanding graduate student research paper and presentation at the annual meeting of the Poultry Science Association July (2001)

Certificate of achievement for the most outstanding graduate student research paper and presentation at the annual meeting of the Southern Poultry Science Society January (2001)

Member of the honor society of Phi Kappa Phi (induction 1999)

SERVICE

Mid-Atlantic Nutrition Conference 2015 – Chair of Poultry Session and Moderator

Northeast SARE review team (2015 Graduate Student Grant Proposals)

Northeast SARE review team (2015 Partnership Grant Proposals)

WVU and WVU Extension Day at the Legislature 2015 - Participant

Poultry Science Association Recruitment Award and Website Development Committees – (2015 member)

Poultry Science Association Teaching Award Committee (Chair 2015)

Poultry Science Association Teaching Award Committee (Chair 2014 – due to maternity leave of the designated chair)

Poultry Science Association Recruitment Award and Website Development Committees – (Chair 2013)

Poultry Science Association Teaching Committee. 2013. (member)

Reviewer – Cereal Chemistry (2004-)

Reviewer – Journal of Applied Poultry Research (2003-)

Reviewer – Animal Feed Science and Technology (2006-)

Reviewer – Poultry Science (2007-)

Member Poultry Science Association

Member West Virginia Poultry Association

Poultry Science Association / Southern Poultry Science Society Judge and Moderator (typically most years of attendance)

Co-Chair Poultry Science Nutrition – Poultry Science Association annual meeting (2006)

Chair of the Poultry organizing committee for Mid Atlantic Nutrition Conference (2010)

Chair of the Mid Atlantic Nutrition Conference (2013)

Faculty Senate (2010-2012)

Dean Hackney Review Committee (2010, 2011)

Dean Search Committee 2011

Animal and Nutritional Sciences Promotion and Tenure Committee (2003, 2005, 2008, 2010, 2013 Committee Chair)

Chair, Food Animal Production Faculty Search Committee (2010-2011)

Chair, Courses and Curriculum Committee (2010-)

West Virginia Poultry Association Executive Committee (2010-)

PSA Recruitment Award and Website Development Committees (2010-)

Fall Educational Poultry Program Planning Committee WVPA (2008-)

WVU advisor for the annual college student career program in Atlanta, GA (2002 -)

WV FFA – organize, supervise, and conduct the annual poultry career development event

WV 4H – annual poultry festival judging contest in Moorefield, WV

Participation in A&NS Division field days

Participation in organic farm field days

College graduate paper/poster competition committee (2004 – 2006 (chair))

College recruitment committee (2003-2006)

College marketing committee (2006 -)

Student fees committee (2004 - 2006)

Chair of the Division species committee for poultry

Faculty search committee (Human nutritionists and ruminant nutritionists)

Undergraduate academic advisor (2002 -)

Farm Advisory Committee (2007 -)