CURRICULUM VITAE

1. ACADEMIC HISTORY

Name: Woo Kyun Kim
Present Rank: Associate Professor
Recommended Rank: Professor
Appointment: 75% Research, 25% Teaching
Tenure Status: Yes
Graduate Faculty: Yes (2013)
Highest Degree: Ph.D., Nutrition, Pennsylvania State University, 2002

2. RESEARCH AND PROFESSIONAL EXPERIENCE

2018-present	Associate Professor Department of Poultry Science, University of Georgia
2013-2018	Assistant Professor Department of Poultry Science, University of Georgia
2014-2019	Adjunct Professor Department of Animal Science, University of Manitoba
2010-2013	Assistant Professor Department of Animal Science, University of Manitoba
2007-2010	Assistant Researcher (Research Faculty), Department of Medicine, Division of Cardiology, UCLA
2005-2007	Postdoctoral Researcher, Department of Medicine, Division of Cardiology, UCLA
2003-2005	Postdoctoral Researcher, Department of Poultry Science, Texas A & M

3. POST-GRADUATE AWARDS

-Outstanding Mentor Award-UGA-CAES (2021)
-American Feed Industry Association Poultry Nutrition Research Award (2020)
-Junior Faculty Category Award, Research Day Competition, UCLA Department of Medicine (2007)
-Maurice Stein Fellowship Award, Poultry Science Association (2001)
-Woot-Tsuen Wu Leung Scholarship, Intercollege Program in Nutrition, Penn State University (2001).

4. SCHOLARLY ACTIVITIES

GRANTS

(Total Awards = $14,193,091)

PEER-REVIEWED PUBLICATIONS

(**undergraduate/graduate students, postdocs, and researchers under my supervision*)

1. S. Yadav, P. Y. Teng, A. K. Singh, J. Choi, and **W. K. Kim** (2022) Influence of Brassica spp. rapeseed and canola meal, and supplementation of bioactive compound (AITC) on growth performance, intestinal-permeability, oocyst shedding, lesion score, histomorphology, and gene expression of broilers challenged with E. maxima. Poultry Science (Accepted). IF=2.52.
2. D. White*, F. L. S. Castro*, M. K. Jones, J. Ferrel, **W.K. Kim** (2022) The effect of a dacitic (rhyolitic) tuff breccia on growth, intestinal health, and inflammatory and antioxidant responses in broilers challenged with a chronic cyclic heat stress. Journal of Applied Poultry Research 31:100213. IF=1.02.
3. S. Yadav*, P. Y. Teng*, J. Choi*, A. K. Singh*, S. Vaddu, H. Thippareddi, and **W. K. Kim** (2022) Influence of rapeseed, canola meal and glucosinolate metabolite (AITC) as potential antimicrobials: Effects on growth performance, and gut health in Salmonella Typhimurium challenged broiler chickens. Poultry Science 101:101551. IF=2.52.

4. P. Teng*, R. Adhikari, S. Llamas-Moya, and **W.K. Kim** (2022) Effects of combination of mannan-oligosaccharides and β-glucan on growth performance, intestinal morphology and immune gene expression in broiler chickens. Poultry Science (In press). IF=2.52.
5. S. Yadav*, P.-Y Teng*, J. Choi*, A. Singh*, and **W.K. Kim** (2021) Nutrient profile and effects of carinata meal as alternative feed ingredient on broiler performance, tight junction gene expression and intestinal morphology. Poultry Science (In press). IF=2.52.
6. P. Teng*, J. Choi*, S. Yadav*, Y Tompkins*, and **W.K. Kim** (2021) Effects of low-crude protein diets supplemented with arginine, glutamine, threonine, and methionine on regulating nutrient absorption, intestinal health, and growth performance of Eimeria-infected chickens. Poultry Science 100: 101427. IF=2.52.
7. O.T. Martinez* and W.K. Kim (2021) Effects of fiber type, particle size, and inclusion level on the growth performance, digestive organ growth, intestinal morphology, intestinal viscosity, and gene expression of broilers. Poultry Science 100:101397. IF=2.52.
8. P. Teng*, S. Yadav*, H. Shi*, and **W.K. Kim** (2021) Evaluating endogenous loss and standard ileal digestibility of amino acids in response to the graded severity levels of E. maxima infection. Poultry Science 100:101426. IF=2.52.
9. D. White*, R. Adhikari*, J. Wang*, C. Chen*, J.H. Lee, and **W.K Kim** (2021) Effects of dietary protein, energy and β-mannanase on laying performance, egg quality, and ileal amino acid digestibility in laying hens. Poultry Science 100:101312. IF=2.52.
10. J. Wang*, F. Kong, and **W.K. Kim** (2021) Effect of almond hulls on the performance, egg quality, nutrient digestibility, and body composition of laying hens. Poultry Science 100:101286. IF=2.52.
11. J. Liu, P. Teng*, T.J. Applegate, and **W.K. Kim** (2021) Review: Assay considerations for fluorescein isothiocyanate-dextran (FITC-d): An indicator of intestinal permeability in broiler chickens. Poultry Science 100:101202. IF=2.52.
12. J. Wang*, M. Zanghi, J. Xu, and **W.K. Kim** (2021) Evaluation of using magnetic nanoparticle attached phosphorus species as supplemental phosphorous source in broiler diet. Journal of Applied Poultry Research 30:100169. IF=1.02.
13. J. Wang*, C. Wu, F. Kong, and **W. K. Kim** (2021) Effect of almond hulls on the growth performance, body composition, digestive tract weight and liver antioxidant capacity of broilers. Journal of Applied Poultry Research Res. 30:100149. IF=1.02.
14. J. Wang*, R. Patterson, and **W.K. Kim** (2021). Effects of phytase and multi-carbohydrase on growth performance, bone mineralization, and nutrient digestibility in broilers fed a nutritionally reduced diet. Journal of Applied Poultry Research 0:100146. IF=1.02.
15. M. Sharma*, D. White*, and **W.K. Kim** and P. Adhikari (2021) Effect of housing environment and laying hen strain on tibia and femur bone properties of different laying phases of Hy-Line hens. Poultry Science 100:100933. IF=2.52.
16. J. Wang* and **W.K. Kim** (2021) Evaluation of a novel corn-expressed phytase on growth performance and bone mineralization in broilers fed different levels of dietary non-phytate phosphorus. Journal of Applied Poultry Research 30:100120. IF=1.02.
17. F. Castro* and **W.K. Kim** (2021) Applied research note: Exogenous lipase supplementation to low energy, protein, and amino acid diets for broiler chickens from one to 42 days. Journal of Applied Poultry Research 30:100117. IF=1.02.
18. J. Wang*, A.K. Singh*, Kong, and **W.K. Kim**. (2021) Effect of almond hulls as an alternative ingredient on broiler performance, nutrient digestibility and cecal microbiota diversity. Poultry Science 100:100853. IF=2.52.
19. J. Choi*, H. Ko*, Y. Tompkins*, P. Teng, J.M. Lourenco, T.R. Callaway and W.K. Kim (2021) Effects of Eimeria tenella Infection on Key Parameters for Feed Efficiency in Broiler Chickens. Animals 11, 3428, https://doi.org/10.3390/ani11123428. IF=2.32.
20. J. Wang*, S. Su*, C. Pender, R. Murugesan, B. Syed, and **W.K. Kim** (2021) Effect of a phytogenic feed additive on growth performance, nutrient digestion, and immune response in broilers fed a protein reduced diets with two different levels of crude protein. Animals 2021, 11, 775. IF=2.32.

21. P. Teng*, J. Choi,* Y. Tompkins*, H. Lillehoj and **W.K. Kim** (2021) Impact of increasing challenge with Eimeria maxima on the growth performance and gene expression of biomarkers associated with intestinal integrity and nutrient trnasports. Veterinary Research 52:81. IF=1.792.
22. P. Teng* and **W.K. Kim** (2021) Roles of nitrocompounds in inhibition of food-born bacteria, parasites, and methane production in economic animals. Animals 2021, 11, 923. IF=2.32.
23. Y. Masayoshi*, C. Chen, T. Sugiyama, **W.K. Kim** (2021) Effect of age on bone structure parameters in laying hens. Animals 2021, 11, 570. IF=2.32.
24. O.T. Martinez* and **W.K. Kim** (2021) Role of dietary fiber in poultry nutrition. Animals 2021, 11, 461. https://doi.org/10.3390/ani11020461IF=2.32.
25. A. Singh* and **W.K. Kim** (2021) Effects of dietary fiber on nutrients utilization and gut health of poultry: challenges and opportunities. Animals: 11, 181. https://doi.org/10.3390/ani11010181. IF=2.32.
26. C. Chen*, D. White*, B. Marshall* and **W.K. Kim** (2021) Role of 25-hydroxyvitamin D3 and 1,25-dihydroxyvitamin D3 in chicken embryo osteogenesis, adipogenesis, myogenesis, and vitamin D3 metabolism. Frontiers in Physiology 12: 631629. IF=4.13.
27. C. Chen*, R. Adhikari*, D. White*, and **W.K. Kim** (2021) Role of 1, 25-dihydroxyvitamin D3 on osteogenic differentiation and mineralization of chicken mesenchymal stem cells. Frontiers in Physiology 12:479596. IF=4.13.
28. Y. Zhang, W. Su, B. Zhang, Y. Ling, **W.K. Kim** and H. Zhang (2021) Comprehensive analysis of coding and non-coding RNA transcriptomes related to hypoxic adaptation in Tibetan chickens. J. Anim. Sci. Biotech. 12:60. https://doi.org/10.1186/s40104-021-00582-2. IF=4.92.
29. Y. Tompkins*, S. Su*, S.G. Velleman, and **W.K. Kim** (2021) Effects of 20(S)-hydroxycholesterol on satellite cell proliferation and differentiation of broilers. Poultry Science 100:474–481. IF=2.52.
30. J. Choi* and **W.K. Kim** (2020) Dietary application of tannins as a potential mitigation strategy for current challenges in poultry production Animals 10, 2389; doi:10.3390/ani10122389. IF=2.32.
31. F. Castro* and **W.K. Kim** (2020) Secondary functions of arginine and sulfur amino acids in poultry health: Review. Animals, 10:2106; doi:10.3390/ani10112106. IF=2.32.
32. R. Adhikari*, C. Chen* and **W.K. Kim** (2020) Effect of 20(S)-hydroxycholesterol on multilineage differentiation of mesenchymal stem cells isolated from compact bones of chicken. Genes 11, 1360; doi:10.3390/genes11111360.IF=3.76.
33. C. Chen*; B. Turner, T.J. Applegate; G. Litta, and **W.K. Kim** (2020) Role of long-term supplementation of 25-hydroxyvitamin D3 on egg production and egg quality of laying hen. Poultry Science 99:6899-6906. IF=2.52.
34. O. Martinez* and **W.K. Kim** (2020) The effects of cellulose and soybean hulls as sources of dietary fiber on the growth performance, organ growth, gut histomorphology, and nutrient digestibility of broiler chickens. Poultry Science 99:6828-6836. IF=2.52.
35. S. Yadav*, P. Teng*, T. Souza dos Santos, R.L. Gould, S.W. Craig, L Fuller, R. Pazdro, and **W. K. Kim** (2020) The effects of different doses of curcumin compound on growth performance, antioxidant status, and gut health of broiler chickens challenged with *Eimeria* species. Poultry Science 99:5936-5945. IF=2.52.
36. C. Chen* and **W.K. Kim** (2020) The application of micro-CT in egg-laying hen bone analysis: introducing an automated bone separation algorithm. Poultry Science 99:5175-5183. IF=2.52.
37. C. Chen*; B. Turner , T.J. Applegate; G. Litta, and **W. K. Kim** (2020) Role of long-term supplementation of 25-hydroxyvitamin D_3 on laying hen bone 3-dimensional structural development. Poultry Science 99:5771-5782. IF=2.52.
38. F.L.S. Castro*, P. Teng*, S. Yadav*, R.L. Gould, S.C.R. Pazdro, and **W.K. Kim.** 2020. The effects of L-Arginine supplementation on growth performance and intestinal health of broiler chickens challenged with *Eimeria* spp. Poultry Science 99:5844-5857. IF=2.52.
39. F.L.S. Castro*, Y. Kim, H. Xu, and **W.K. Kim** (2020) The effect of total sulfur amino acid levels on growth performance and bone metabolism in pullets under heat stress. Poultry Science 99:5783-5791. IF=2.52.
40. F.L.S. Castro*, Y.H. Tompkins*, R. Pazdro, and **W.K. Kim** (2020) The effects of total sulfur amino acids on the intestinal health status in broilers challenged with *Eimeria* spp. Poultry Science 99:5027-5036. IF=2.52.

41. Y.A. Attia, F. Bovera, J. Wang*, M.A. Al-Harthi1, **W.K. Kim** (2020) Multiple amino acid supplementations to low dietary protein diets: effect on performance, carcass yield, meat quality and nitrogen excretion of finishing broilers under hot climate conditions. Animals 10, 973; doi:10.3390/ani10060973. IF=1.84.
42. B.S. Sheikhhasan, H. Moravej, F. Ghaziani, E. Esteve-Garcia, and **W.K. Kim** (2020) Prediction of the total and standardized ileal digestible amino acid contents from the chemical composition of soybean meals of different origin in broilers. Poultry Science 99:4947-4957. IF=2.52.
43. H. Ma, B. Xu, W. Li, F. Wei, **W.K. Kim**, C. Chen, Q. Sun, C. Fu, G. Wang, and S. Li (2020) Effects of alpha-lipoic acid on the behavior, serum indicators and bone quality of broilers under stocking density stress. Poultry Science 99:4653-4661. IF=2.52.
44. B. S. Sheikhhasan, H. Moravej, F. Ghaziani, E. Esteve-Garcia, and **W.K. Kim** (2020) Relationship between chemical composition and standardized ileal digestible amino acid contents of corn grain in broiler chickens. Poultry Science 99:4496-4504. IF=2.52.
45. P. Teng*, S. Yadav, T. Souza, A.L. Fuller and **W.K. Kim** (2020) 2-nitro-1-propanol improved nutrient digestibility, oocysts shedding, but not growth performance of *Eimeria*-challenged broilers. Poultry Science 99:4314-4322. IF=2.52.
46. P. Teng*, S. Yadav, F. Castro, Y. Tompkins, A.L. Fuller and **W.K. Kim** (2020) Graded *Eimeria*-challenged doses linearly regulated growth performance, dynamic change of gut permeability, apparent ileal digestibility, intestinal morphology, and tight junctions of broilers. Poultry Science 99:4203-4216. IF=2.52.
47. S. Su*, Y. Wang*, C. Chen*, M. Suh, M. Azain and **W.K. Kim** (2020) Fatty acid composition and regulatory gene expression in late-term embryos of ACRB and COBB broilers. Frontiers in Veterinary Science 7:317. https://doi.org/10.3389/fvets.2020.00317. IF=2.03.
48. P. Teng*, A.L. Fuller, and **W.K. Kim** (2020) Evaluation of nitro-compounds as feed additives in diets of Eimeria-challenged broilers in vitro and in vivo. Poultry Science 99:1320-1325. IF=2.52.
49. J. Wang*, H. Choi, and **W.K. Kim** (2020) Effects of dietary energy level and 1,3-diacylglycerol on growth performance and carcass yield in broilers. Journal of Applied Poultry Research 29:665-672. IF=1.45
50. T. Souza*, P. Teng*, S. Yadav*, F. Castro, R. Grould, S. Craig, C. Chen, A.L. Fuller, R. Pazdro, J.R. Sartori, and **W.K. Kim** (2020) Effects of inorganic Zn and Cu supplementation on gut health in broiler chickens challenged with Eimeria spp. Frontiers in Veterinary Science 7:230. IF=1.94.
51. D. Moseti*, A. Regassa*, C. Chen*, O Karmin, **W.K. Kim** (2020) 25-Hydroxycholesterol Inhibits Adipogenic Differentiation of C3H10T1/2. International Journal of Molecular Science 21, 412; doi:10.3390/ijms21020412. IF=4.18.
52. AM Villegas, Stabler L, Moore RJ, Uzal FA, Lacey JA, Hofacre C, Lee M, Ferguson-Noel N, Barber R, Rimet C-S, Jerry C, **Kim WK,** Madison B, França M (2020) Focal duodenal necrosis in chickens: attempts to reproduce the disease experimentally and diagnostic considerations. J. Vet Diagn Invest 1-9
53. J.C. Foutz, M.C. Milfort, A.L. Fuller, **W.K. Kim**, R. Rekaya, and S. Aggrey (2020) Supplementation of diets with Brazil nut powder can meet dietary methionine requirement of organic broiler chickens. Organic Agriculture. https://doi.org/10.1007/s13165-019-00276-0. IF??
54. C.D. Aranibar, C. Chen*, A.J. Davis, W.I. Daley, C. Dunkley, **W.K. Kim**, C. Usher, A.B. Webster, and J.L. Wilson (2020) Impact of an alternate feeding program on broiler breeder pullet behavior, performance, and plasma corticosterone. Poultry Science 99:829-838. IF=2.52.
55. P. Adhikari*, S. Yadav*, D.E. Cosby, N.A. Cox, J. Jendza and **W.K. Kim** (2020) Effect of organic acid mixture on growth performance and Salmonella Typhimurium colonization in broiler chickens. Poultry Science 99:2645-2649 IF=2.52.
56. R. Adhikari*, D. White*, J. D. House and **W. K. Kim** (2020) Effects of additional dosage of vitamin D3, vitamin D2, and 25-hydroxyvitamin D3 on calcium and phosphorus utilization, egg quality and bone mineralization in laying hens. Poultry Science 99:364-373. IF=2.52.
57. J.Y. Hyeon, D.A. Mann, J. Wang*, **W.K. Kim**, and X. Deng (2019) Rapid detection of *Salmonella* in poultry environmental samples using immunomagnetic separation-multiple displacement amplification real-time PCR. Poultry Science 98:6973-6979. IF=2.52.

58. M.A. Landrum, N.A. Cox, J.L. Wilson, M.E. Berrang, G.R. Gamble, M.A. Harrison, B.D. Fairchild, **W.K. Kim**, and A. Hinton, Jr. (2019) Reduction of Campylobacter on poultry thighs using sequential treatments of antimicrobials. Adv. Food & Nutr. Sci. 4:1-7.
59. F.L.S. Castro* and **W.K. Kim** (2019) DL – Methionine can be replaced partially by phyto-additive without affecting growth performance, fat metabolism and serum biochemistry in broilers. Journal of Applied Poultry Research 28:1013-1020. IF=1.45
60. S. Kumar*, P. Adhikari*, B. Oakly, and **W.K. Kim** (2019) Changes in cecum microbial community in response to total sulfur amino acid (TSAA: DL-methionine) in antibiotic-free and supplemented poultry birds. Poultry Science 98:5809-5819. IF=2.52.
61. F.L.S. Castro*, H.Y. Kim, Y.G. Hong, and **W.K. Kim** (2019) The effect of total sulfur amino acid levels on growth performance, egg quality and bone metabolism in laying hens subjected to high environmental temperature. Poultry Science 98:4982-4993. IF=2.52.
62. S. Kumar*, Y. Shang*, and **W.K. Kim** (2019) Insight into Dynamics of Gut Microbial Community of Broilers Fed with Fructooligosaccharides Supplemented Low Calcium and Phosphorus Diets. Frontiers in Veterinary Science 6:95 doi: 10.3389/fvets.2019.00095.
63. M.H.M.G. Abadi, H. Moravej, M. Shivazad, M.A. Karimi Torshizi, and **W.K. Kim** (2019) Effect of different types and levels of fat addition and pellet binders on physical pellet quality of broiler feeds. Poultry Science 98:4745-4754 IF=2.52.
64. J. Wang*, R. Patterson, and **W.K. Kim** (2019) Effects of Extra-Dosing phytase in combination with Multi-Carbohydrase on growth performance and bone mineralization using dual-energy x-ray absorptiometry in broilers. Journal of Applied Poultry Research 28:722–728. IF=1.45
65. C. Chen*, B.Y. Jung, and **W.K. Kim** (2019) Effects of lysophopholipid on growth performance, carcass yield, intestinal development and bone quality in broilers. Poultry Science 98:3902-3913(https://doi.org/10.3382/ps/pez111) IF=2.52.
66. E. Hardin*, F. Castro*, and **W.K. Kim** (2019) Keel bone injury in laying hens: The prevalence of injuries in relation to different housing systems, implications, and potential solutions. World's Poultry Science Journal 75:285-292. IF=1.44.
67. R. Adhikari*, C. Chen, E. Waters, F. West, and **W.K. Kim** (2019) Isolation and differentiation of mesenchymal stem cells from broiler chicken compact bones. Frontiers in Physiology 9:1892 https://doi.org/10.3389/fphys.2018.01892 IF=4.13.
68. F. Castro*, S. Su and **W.K. Kim** (2019) L-arginine supplementation enhances growth performance, lean muscle and bone density but not fat in broiler chicken. Poultry Science 98:1716-1722. IF=2.52.
69. P. Adhikari*, C.H. Lee, D.E. Cosby, N.A. Cox, and **W.K. Kim** (2019) Effect of probiotics on fecal excretion, colonization in internal organs and immune gene expression in the ileum of laying hens challenged with Salmonella Enteritidis. Poultry Science 98:1235-1242. IF=2.52.
70. M.H.M.G. Abadi, H. Moravej, M. Shivazad, M.A. Karimi Torshizi, and **W.K. Kim** (2019) Effects of feed form and particle size, and pellet binder on performance, digestive tract parameters, intestinal morphology, and cecal microflora populations in broilers. Poultry Science 98:1432-1430. IF=2.52.
71. Z. Wang, Y. Yoshida, N. Kramer, F. Kawabata, S. Tabata, **W.K. Kim**, and H.X. Liu (2019) Abundant proliferating cells within early chicken taste buds indicate a potentially "built-in" progenitor system for taste bud growth during maturation in hatchlings. Histology and Histopathology 34:503-511 doi: 10.14670/HH-18-055. IF=2.02.
72. P-Y. Teng* and **W.K. Kim** (2018) Review: Roles of prebiotics in intestinal ecosystem of broilers. Frontiers in Veterinary Science https://doi.org/10.3389/fvets.2018.00245 IF=1.94.
73. Y. Shang*, S. Kumar, B. Oakley and **W.K. Kim** (2018) Chicken gut microbiota: Importance and detection technology. Frontiers in Veterinary Science 5:254. IF=1.94.
74. M. Rodriguez Duran*, C. Chen*, and **W.K. Kim** (2018) Effects of vitamin D and calcium for the prevention of osteoporosis at various stages of life of laying hens-Review. Int. J. Poult. Sci. 17:405-409. IF=0.32.
75. Y. Shang*, S. Kumar, H. Thippareddi, and **W.K. Kim** (2018) Effect of dietary fructooligosaccharide (FOS) supplementation on ileal microbiota in broiler chickens. Poultry Science 97:3622-3634. IF=2.52.

76. P. Adhikari*, D.E. Cosby, N.A. Cox, M.S. Franca, S.M. Williams, R.M. Gogal Jr., C.W. Ritz and **W.K. Kim** (2018) Effect of dietary fructooligosaccharide supplementation on internal organs *Salmonella* colonization, immune response, ileal morphology and ileal immunohistochemistry in laying hens challenged with *Salmonella* Enteritidis. Poultry Science 97:2525-2533 (IF) = 2.52.
77. S. Kumar*, C. Chen*, N. Indugu, G.O. Werlang, M. Singh, **W.K. Kim** and H. Thippareddi (2018) Effect of antibiotic withdrawal in feed on chicken gut microbial dynamics, immunity, growth performance and prevalence of foodborne pathogens. PLOS One 13(2):e0192450 (IF) = 2.806.
78. J. Datar, A. Regassa, **W.K. Kim**, C.G. Taylor, P. Zahradka, and M. Suh (2018) Lipid metabolism is closely associated with normal testicular growth based on global transcriptome profiles in normal and underdeveloped testis of obese Zucker (*fa/fa*) rats. Lipids 52:951-960 (IF) = 1.892.

Prior to promotion to Associate Professor at UGA

79. Pratima Adhikari*, D.E. Cosby, N. A. Cox and **W.K. Kim** (2017) Effect of dietary supplementation of nitrocompounds on salmonella colonization and ileal immune gene expression in laying hens challenged with Salmonella Enteritidis. Poultry Science 96:4280–4286 (IF) = 2.52.
80. Pratima Adhikari*, D.E. Cosby, N. A. Cox and **W.K. Kim** (2017) Effect of dietary bacteriophage supplementation on internal organs, fecal excretion and ileal immune response in laying hens challenged by Salmonella Enteritidis. Poultry Science 96:3264-3271. Impact factor (IF) = 2.52.
81. Pratima Adhikari* and **W.K. Kim** (2017) Overview of prebiotics and probiotics: Focus on performance, gut health and immunity-A review. Annals of Animal Science 17:949-966. IF = 0.60.
82. Bortoluzzi, C., A.A. Pedroso, J.J. Mallo, M. Puyalto, **W.K. Kim**, and T.J. Applegate (2017) Sodium butyrate improved performance while modulating the cecal microbiota and regulating the expression of intestinal immune-related genes of broiler chickens. Poultry Science 96:3981-3993. IF = 2.52.
83. Pratima Adhikari*, D.E. Cosby, N. A. Cox and **W.K. Kim** (2017) Colonization of mature laying hens with Salmonella Enteritidis by oral or intracloacal inoculation. J Appl. Poult. Res.26:286-294. IF = 0.58.
84. Park*, S.O. and **W.K. Kim** (2017) Effects of betaine on biological functions in meat-type ducks exposed to heat stress. Poultry Science 96:1212-1218. IF = 2.52.
85. Y.A. Attia, M.A. Al-Harthi, A.S. El-Shafey, Y.A. Rehab and **W.K. Kim** (2017) Enhancing tolerance of broiler chickens to heat stress by supplementation with vitamin E, vitamin C and/or probiotics. Annals of Animal Science 17:1155-1169. IF = 0.60.
86. M. Alahyari-Shahrasb, H. Moravej, R. Gaykani, and **W. K. Kim** (2017) Nitrogen-Corrected Apparent Metabolisable Energy Values of barley varies by treatment and species. Poultry Science 96:2194-2199. IF = 2.52.
87. Wang, G., **W.K. Kim**, M.A. Cline, and E.R. Gilbert (2017). Factors affecting adipose tissue development in chickens: A Review. Poultry Science 96:3687-3699. IF=2.52.
88. Kim*, H., P.D. Sedlacek, and **W.K. Kim** (2017) Lipid formation and mRNA expression of key adipogenic genes in the liver of ACRB and COBB chicken breeds during the embryonic period. Int. J. Poult. Sci. 16:374-380 IF=0.32.
89. Regassa*, A., M. Suh, J. Datar, C. Chen*, and **W. K. Kim** (2017) Fatty acids have different adipogenic differentiation potentials in stromal vascular cells isolated from abdominal fat in laying hens. Lipids 52:513-522. IF=1.892.
90. Regassa*, A., D. Lee, S Choi, C Song, and **W. K. Kim** (2017) Potent anti-adipogenic effect of green tea extracts in chicken. Journal of Diabetes and Obesity 4:1-6. IF= 0.565.
91. Pokharel*, B.B., A. Regassa, C. M. Nyachoti and **W. K. Kim**. (2017) Effect of low levels of dietary available phosphorus on phosphorus utilization, bone mineralization, phosphorus transporter mRNA expression and performance in growing Pigs. Journal of Environmental Science and Health, Part B 52(6):395-401. IF = 1.31.
92. Shang*, Y. and **W.K. Kim** (2017) Roles of fructooligosaccharide and phytase in broiler chickens-Review. Int. J. Poult. Sci. 16:16-22. IF = 0.32.
93. Alahyari-Shahrasb M, H. Moravej, and **W.K. Kim** (2017) Effect of soaking, fermentation with lactobacillus, and enzyme treatment on nitrogen-corrected apparent metabolisable energy values of wheat in cockerels and quails. Journal of Animal Physiology and Animal Nutrition 101:236-242. IF = 1.21.

94. Regassa*, A., E. Kiarie, J.S. Sands, M.C. Walsh, **W.K. Kim**, and C.M. Nyachoti (2017) Nutritional and metabolic implications of replacing corn starch with D-xylose in broiler chickens fed corn and soy bean meal based diet. Poultry Science 96:388-396. IF = 2.52.
95. Norris, KM, W. Okie, **W.K. Kim**, R Adhikari*, S King, and R Pazdro. (2016) A high-fat diet differentially regulates glutathione homeostasis in the obesity-prone mouse strains DBA/2J, C57BL/6J, and AKR/J. Nutrition Research 36:1316-1324. IF = 2.52.
96. Regassa*, A., K.W. Park, and **W.K. Kim** (2016) Phenamil enhances the adipogenic differentiation of hen preadipocytes Cell Biology International 40: 1123-1128. IF = 1.66.
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PROCEEDINGS AND SYMPOSIA

Since Promotion to Associate Professor at UGA

1. Teng, Po-Yun; Castro, Fernanda; and **W.K. Kim**. 2021. "Nutrition and Coccidiosis," Proceedings of the Arkansas Nutrition Conference: Vol. 2021, Article 3.
2. F. Castro, **W.K.Kim**, C.S. Souza, and F.M. Vieites. 2020. Amino acid nutrition on nitrogen retention and excretion in poultry. VII International Congress of Sustainable Agriculture. Vicosa, Minas Gerais, Brazil. 23 pages.
3. **W.K.Kim**, F.M. Vieites, C.S. Souza, and R.V. Nunes. 2018. Roles of vitamin D on bone health in broilers and laying hens. IX Brazilian Symposium on Sustainable Agriculture. Vicosa, Minas Gerais, Brazil. 16 pages.
4. F.M. Vieites, C.S. Souza, C.A. Ribeiro de Lima, and **W.K. Kim** (2018) Sustainable Poultry and Egg Production- Environment, Nutritional, and Technological Considerations. IX Brazilian Symposium on Sustainable Agriculture. Vicosa, Minas Gerais, Brazil. 19 pages.
5. **W.K. Kim.** 2018. Optimization of nutrient digestion and absorption. Poultry Focus Asia 2018, Bangkok, Thailand. 5 pages.
6. **W.K. Kim.** 2018. Recent studies on the use of 25-OH Vitamin D3 in pullets and laying hens. Multi-State Poultry Feeding and Nutrition Conference and DSM Nutritional Products, Inc's Technical Symposium, Indianapolis, Indiana. 10 pages.

Prior to promotion to Associate Professor at UGA

7. **W.K. Kim.** 2015. Role of prebiotics and probiotics on growth performance, intestinal morphology, and immune response in broilers. Mid-Atlantic Nutrition Conference, Baltimore, MD. 10 pages
8. J.H. Kim, H.G. Kang, P. Adhikari, C.H. Kim, I.S. Jeon, J.W. Lee, and **W.K. Kim**. 2015. Effect of plants extract, organic acids and prebiotics on growth and intestinal mucosa development in growing broilers. Proceedings of Korean Society of Poultry Science Conference. Page 133-136.
9. **W.K. Kim.** 2014. Role of prebiotics on growth performance, intestinal morphology, and immune response of broilers. US-Korea Conference, San Fransico, CA. 1 page.
10. **W.K. Kim.** 2014. Bone metabolism and skeletal integrity in laying hens. Multi-State Poultry Feeding and Nutrition Conference and Nutriad Inc's Technical Symposium, Indianapolis, Indiana. 5 pages.

ABSTRACTS

Since Promotion to Associate Professor at UGA *(*Students/postdocs/researchers under my supervision)*

1. J. Choi*, A. Singh*, X. Chen, Y. Lei, and **W.K. Kim** (2021) Effects of organic acids and essential oils on growth performance, serum biochemistry, antioxidant enzyme activities, intestinal morphology, and digestive enzyme activities in broiler chickens. Poult. Sci. 100 (Suppl. 1): 189.
2. P. Teng*, J. Cho*, S. Yadav*, F.L. Castro, J Ferrel, and **W.K. Kim** (2021) The effect of various levels of a dacitic (rhyolitic) tuff breccia on growth performance of broilers mildly challenged with Eimeria spp. Poult. Sci. 100 (Suppl. 1): 188.

3. O.J. Tejeda* and **W.K. Kim** (2021) Effects of fiber type, particle size, and inclusion level on the growth performance, digestive organ growth, intestinal viscosity, intestinal morphology, and gene expression of broilers. Poult. Sci. 100 (Suppl. 1): 110.
4. J. Choi*, Y.H. Tompkins*, P. Teng*, and **W.K. Kim** (2021) Effects of tannic acid on the growth performance, gastrointestinal permeability, antioxidant capacity, oocyst shedding, and nutrient digestibility of broiler chickens infected with Eimeria maxima. Poult. Sci. 100 (Suppl. 1): 88.
5. J. Choi*, S. Yadav*, S. Vaddu, H. Thippareddi, and **W.K. Kim** (2021) Antimicrobial effects against Salmonella typhimurium and protein precipitation capacity of tannic acid in an in vitro chicken gut pH model and in simulated feed pelleting temperature. Poult. Sci. 100 (Suppl. 1): 83.
6. C. Chen*, D.L. White*, Y.H. Tompkins*, J.E. Thomson, U. Braun, and **W.K. Kim** (2021) Effects of guanidinoacetic acid (GAA) on growth and body composition in broilers. Poult. Sci. 100 (Suppl. 1): 81.
7. H. Shi*, J. Wang*, and **W.K. Kim** (2021) Effects on phytase and coccidial vaccine on growth performance, bone mineralization and nutrient digestibility of broilers fed with nutrient-reduced diets. Poult. Sci. 100 (Suppl. 1): 74.
8. S. Yadav*, P. Teng*, A. Singh*, S. Vaddu*, H. Thippareddi, and **W.K. Kim** (2021) Glucosinolate containing ingredients (rapeseed and canola meal) and glucosinolate metabolite (AITC) as potential antimicrobials: Effects on growth performance, and gut health in Salmonella Typhimurium challenged broiler chickens. Poult. Sci. 100 (Suppl. 1): 38.
9. G. Liu*, Y.H. Tompkins*, P. Teng*, and **W.K. Kim** (2021) Effects of different methionine to cysteine ratios on the growth performance, gut health, and body composition of broilers challenged with Eimeria spp. Poult. Sci. 100 (Suppl. 1): 34.
10. Y.H. Tompkins*, J. Choi*, and P. Teng*, M. Yamada, T. Sugiyama, and **W.K. Kim** (2021) Reduced bone formation and increased bone resorption drive bone loss in Eimeria infected broilers. Poult. Sci. 100 (Suppl. 1): 34.
11. M.K. Sharma*, P. Teng*, Y. Tompkins*, and **W.K. Kim** (2021) Effects of Eimeria challenge on performance, body composition, and intestinal health of Hy-Line W-36 pullets. Poult. Sci. 100 (Suppl. 1): 33.
12. P. Teng*, J Choi*, S. Yadav*, Y. Tompkins* and **W.K. Kim** (2021) Investigating intestinal integrity, endogenous losses of amino acids, and nutrient digestibility of broiler chickens in response to graded severity of E. maxima infection. Poult. Sci. 100 (Suppl. 1): 32.
13. H. Shi*, J. Wang*, and **W.K. Kim** (2021) Effect of phytase and cocci vaccines on broiler growth performance and bone mineralization Poult. Sci. 100 (Suppl. 1): 13.
14. Y. Tompkin*, C. Chen*, J. Wilson, B. Voy, and **W.K. Kim** (2021) The effects of maternal fish oil supplementation on offspring-broiler growth performance, body composition and bone microstructure at market age. Poult. Sci. 100 (Suppl. 1): 18.
15. J. Wang*, C. Wu, F. Kong, and **W.K. Kim** (2021) Effect of almond hulls on the growth performance, body composition, digestive tract weight and liver antioxidant capacity of broilers. Poult. Sci. 100 (Suppl. 1): 18.
16. D. White*, D. Karcher, P. Regmi, and **W.K. Kim** (2020) Effect of n-3 FA and Vit D3 in keel bone properties and ca/p transporter profile in aviary Lohmann browns. Poult. Sci. 99 (Suppl. 1): 94.
17. P. Teng*, Y. Tompkins*, S. Yadav*, F. Castro*, L.A. Fuller, and **W.K. Kim** (2020) Graded Eimeria infection regulates oxidative stress in broiler chickens and is strongly correlated with growth performance and gut health parameters. Poult. Sci. 99 (Suppl. 1): 31.
18. J. Wang*, F. Kong, and **W.K. Kim** (2020) Effects of supplementation of almond hulls on growth performance, lesion score and anti-oxidative enzyme activities in Eimeria-challenged broilers. Poult. Sci. 99 (Suppl. 1): 106.
19. H. Shi, Y. Luo, Q. Deng, **W.K. Kim**, and N. Liu (2020) Comparison between phytochemical pentadecylphenol and cocci vaccines on growth performance and serum parameters in broilers. Poult. Sci. 99 (Suppl. 1): 89.
20. O. Martinez* and **W.K. Kim** (2020) Effects of cellulose and soybean hulls as sources of dietary fiber on the growth performance, nutrient digestibility, gut morphology, and intestinal gene expression of broiler chickens. Poult. Sci. 99 (Suppl. 1): 102.

21. Y. Zheng, **W.K. Kim**, W. Su, and H. Zhang (2020) Comprehensive analysis of circular RNAs related to hypoxic adaptation in the Tibetan chicken. Poult. Sci. 99 (Suppl. 1): 25.
22. Y. Tompkins*, C. Chen*, J. Wilson, B. Voy, and **W.K. Kim** (2020) The effects of maternal fish oil supplementation on offspring-broiler growth performance, body composition and bone microstructure at market age. Poult. Sci. 99 (Suppl. 1): 103.
23. F. Castro*, P. Teng*, S. Yadav*, L.A. Fuller, and **W.K.Kim** (2020) The effects of L-Arginine supplementation on growth performance and intestinal health of broiler chickens challengedwith *Eimeria spp.* Poult. Sci. 99 (Suppl. 1): 24.
24. P. Teng*, S. Yadav*, T. Santos*, L.A. Fuller, and **W.K. Kim** (2020) The Effects of 2-Nitro-1-propanol on Growth Performance, Nutrient Digestibility, Gut Health, and Oocysts Shedding in Eimeria-Challenged Broilers. Poult. Sci. 99 (Suppl. 1): 26.
25. J. Wang*, F. Kong, and **W.K.Kim** (2020) Effect of almond hull as an alternative ingredient on laying hen performance, egg quality, and body composition. Poult. Sci. 99 (Suppl. 1): 96.
26. M. Yamada*, T. Sugiyama, and **W.K. Kim** (2020) Effects of tamoxifen on medullary remodeling and eggshell quality in aged hens. Poult. Sci. 99 (Suppl. 1): 62.
27. M. Sharma, D. White*, **W.K. Kim**, and P. Adhikari (2020) Effects of housing environment and laying hen strain on tibia and femur bone properties. Poult. Sci. 99 (Suppl. 1): 80.
28. S. Yadav*, S. Kumar, and W.K. Kim (2020) Effects of Curcumin on Salmonella enteritidis colonization in the liver-gall bladder, spleen, ovary, ceca, and fecal shedding in laying hens under heat stress. Poult. Sci. 99 (Suppl. 1): 85.
29. F. Castro*, T. Shieh, and **W.K. Kim** (2019) Effect of protease on the performance of broilers fed reduced energy, protein, and amino acid diets. ESPN: 199.
30. J. Wang*, J. Xu, and **W.K. Kim** (2019) Evaluation of a magnetic nanoparticle attached phosphorus compound as a novel phosphorus. ESPN: 266.
31. F. Castro*, T. Shieh, and **W.K. Kim** (2019) Effect of thermos-stable phytase on growth performance and bone mineral content in broilers. Poult. Sci. 98 (Suppl. 1): 37.
32. Sweeney K, Oxford L, Aranibar C, **Kim W.K**., Williams S, Wilson J (2019) Impact of every-day versus skip-a-day feeding of broiler breeder pullets during reaing to compare intestinal development and overall performance. Poult. Sci. 98 (Suppl.1): 36
33. D. White*, C. Chen*, and **W.K. Kim** (2019) Effect of the combination of 25-hydroxyvitamin D3 and modified levels of calcium and phosphorus in the diets on bone 3D structural development in pullets. Poult. Sci. 98 (Suppl. 1): 47.
34. J. Wang*, F. Kong, and **W.K. Kim** (2019) Effect of almond hull as an alternative ingredient on broiler performance and nutrient digestibility. Poult. Sci. 98 (Suppl. 1): 75.
35. S. Yadav*, P. Teng*, L. Fuller, and **W.K. Kim** (2019) Nutrient profile and digestibility of Brassica carinata meal in chicken in vitro anticoccidial activity of glucosinolate-sinigrin of Brassica carinata meal. Poult. Sci. 98 (Suppl. 1): 75.
36. P. Teng*, S. Yadav*, F. Castro*, A. Fuller, and **W.K. Kim** (2019) Evaluation of four different doses of Eimeria-challenge on growth performance and gut health parameters of broilers. Poult. Sci. 98 (Suppl. 1): 80.
37. C. Chen*, D. White*, B. Marshall, and **W.K. Kim** (2019) Role of 25-hydroxyvitamin D3 and 1,25-dihydroxyvitamin D3 in chicken embryo osteogenesis and vitamin D3 metabolism. Poult. Sci. 98 (Suppl. 1): 114.
38. S. Kumar*, P. Adhikari, B. Oakley, and **W.K. Kim** (2019) Variations of total sulfur amino acid (TSAA) in antibiotic-free and supplemented diets changes gut microbial community and functions in broilers. Poult. Sci. 98 (Suppl. 1): 183.
39. H. Kim, F. Castro*, Y. Hong, and **W.K. Kim** (2019) L-Methionine decreases oxidative stress and increases egg production in laying hens subjected to heat stress. Poult. Sci. 98 (Suppl. 1): 183.
40. F. Castro*, J. Gong, and **W.K. Kim** (2019) Effect of lipase on the performance of broilers fed reduced energy, protein and amino acid diets. Poult. Sci. 98 (Suppl. 1): 188.

41. M. Landrum, N. Cox, J. Wilson, M. Berrang, M. Harrison, B. Fairchild, **W.K. Kim**, and A. Hinton (2019) Reduction of Campylobacter on poultry thighs using sequential treatments of antimicrobials. Poult. Sci. 98 (Suppl. 1): 217.
42. P. Regmi, C. Robison, **W.K. Kim**, and D. Karcher (2019) Effect of dietary omega-3 fatty acids and vitamin D3 on production and welfare parameters in brown laying hens housed in multi-tier aviary system. Poult. Sci. 98 (Suppl. 1): 231.
43. C. Chen*, S.E. Aggrey, and **W.K. Kim** (2018) Modeling bone development characteristics of layers. Poult. Sci. 97 (Suppl. 1): 46.
44. P.-Y. Teng*, L. Fuller, and **W. K. Kim** (2018) Effects of 2-Nitropropanol and 2-Nitroethanol on growth performance, apparent digestibility, intestinal lesion scores and immune gene expression in *Eimeria*-challenged broilers. Poult. Sci. 97 (Suppl. 1): 17
45. J. Wang*, M. Coelho, A. Troescher, P. Ader, and **W.K. Kim** (2018) Assessment of superdosing phytase on broiler phosphorus digestibility, ileal digestible energy and bone ash. Poult. Sci. 97 (Suppl. 1): 58.
46. F. Castro* and **W.K. Kim** (2018) Effects of L-Methionine supplementation on pullets and laying hens subjected to chronic cyclic heat stress. Poult. Sci. 97 (Suppl. 1):
47. Y. Wang, X.L. Louis, **W.K. Kim,** and M. Suh (2018) Is there a Difference in DHA Content between Traditionally Athens Canadian Random Bred Meat-Type Chickens versus Current Commercial Cobb Broilers. Canadian Society for Nutrition.
48. P.-Y. Teng*, L. Fuller, and **W. K. Kim** (2018) Evaluation of 2-Nitropropanol on inhibiting development of *Eimeria tenella* sporozoites *in vitro*. Chinese Anim. Sci.
49. F. Castro*, H. Choi, **W.K. Kim** (2018) Effects of supplementing D or L- Methionine on productive performance and egg quality in laying hens subjected to chronic cyclic heat stress. Euro. Poult. Congress.
50. J. Hyeon, D.A. Mann, J. Wang*, O.Y. Koyun*, W.K. Kim, X. Deng (2018) Rapid Detection of *Salmonella* in Poultry Farm Environmental Samples Using Real-time PCR Combined with Immunomagnetic Separation and Whole Genome Amplification. Intern. Associ. Food Prot.
51. C. Chen*, S. Aggrey and W.K. Kim (2018) The bone development pattern and the correlation with growth parameters in modern laying hens. Poult. Sci. 97 (Suppl. 1): 46
52. F. Castro*, H. Choi, **W.K. Kim** (2018) Effects of supplementing L- Methionine on productive performance and egg quality in laying hens subjected to chronic cyclic heat stress. Poult. Sci. 97 (Suppl. 1): 52.
53. P.Y. Teng* and **W.K. Kim** (2018) Effects of 2-Nitropropanol on growth performance and intestinal lesion scores in *Emeria*-challenged broilers. Poult. Sci. 97 (Suppl. 1): 289.
54. O.Y. Koyun*, D.E. Cosby, N.A. Cox, and **W.K. Kim** (2018) Use of 2-Nitro-1-propanol as an intervention strategy in laying hens. Poult. Sci. 97 (Suppl. 1): 292.
55. Wang, Z., Kramer, N. E., Cui, X., Kawabata, F., Tabata, S., **Kim, W. K.**, & Liu, H. -X. (2018). Abundant proliferating cells within chicken taste buds indicate a potentially "built-in" progenitor system for homeostasis. CHEMICAL SENSES, 43(7), E234.
56. J. Wang*, M. Coelho, A. Troescher, P. Ader, and **W.K. Kim** (2018) Assessment of a superdosage of phytase (Natuphos E) on broiler performance fed a reduced calcium, available phosphorus and metabolizable energy diet. Poult. Sci. 97 (Suppl. 1): 273.
57. Wilson, J., Aranibar, C., Daley, W., Webster, B., Usher, C., **Kim, W**., & Owen, A. (2018). Altering feeding frequency of broiler breeder pullet during rearing to improve welfare and performance. Poult. Sci. 97 (Suppl. 1): 66.
58. J. Wang*, C. Pender, B. Syed, G.R. Murugesan, and **W.K. Kim** (2018) Protein sparing effect of a phytogenic feed additive effect in broiler chickens. Poult. Sci. 97 (Suppl. 1): 290.
59. F. Castro* and **W.K. Kim** (2018) The effect of supplementing herbal Methionine through feed and water on growth performance and liver metabolism in broilers. Poult. Sci. 97 (Suppl. 1):18.
60. Foutz J., M. C. Milfort, A. L. Fuller, **W. K. Kim**, R. Rekaya and S. E. Aggrey (2018) Performance of broiler chickens fed diet with or without exogenous methionine and raised in conventional or organic production environment. Poult. Sci. 97 (Suppl. 1): 281.

Prior to promotion to Associate Professor at UGA

61. C. Chen*, B. Turner, T. Applegate, and **W.K. Kim** (2017) Effects of long-term supplementation of pullets and layers with 25-hydroxyvitamin D3 on performance, bone quality, egg production, and egg quality. Poult. Sci. 96 (Suppl. 1): 50.
62. F. Castro*, J.U. Kim, E. Koo, H.J. Choi, J. Wilson, and **W.K. Kim** (2017) Effects of various levels of synthetic arginine supplementation on growth response and body composition in broilers. Poult. Sci. 96 (Suppl. 1): 45.
63. J. Wang*, P. Sedlacek, H. Choi, and **W.K. Kim** (2017) Effects of 1,3-diacylglycerol (DAG) on growth performance and carcass characteristics in broilers. Poult. Sci. 96 (Suppl. 1): 44.
64. P. Adhikari, H. Derakshani, E. Khafipour, and **W.K. Kim** (2017) Effect of fructooligosaccharides (FOS) on Salmonella colonization, immune response and ileal microbiome in laying hens challenged with Salmonella Enteritidis. Poult. Sci. 96 (Suppl. 1): 18.
65. L. McGrory* and **W.K. Kim** (2017) Effect of 25-Hydroxycholecalciferol on bone growth and development in laying pullets. 2017 UGA Center for Undergraduate Research Opportunity (CURO) Symposium, April 3-4 Classic Center, Athens, Georgia. Page 155.
66. D. Park* and **W.K. Kim** (2017) Effect of different concentrations of 25-hydroxycholestrol on osteogenic differentiation of mesenchymal stem cells (MSC) from broiler compact bone. 2017 UGA Center for Undergraduate Research Opportunity (CURO) Symposium, April 3-4 Classic Center, Athens, Georgia. Page 182.
67. Pratima*, A., D.E. Cosby, N.A. Cox, and **W. K. Kim** (2017) Effect of 2-nitroethanol and 2-nitropropanol colonization and ileal immune gene expression in White Leghorns challenged with *Salmonella* Enteritidis. Poult. Sci. 96 (Suppl. 1): 304.
68. Pratima*, A., J. Jendza, D.E. Cosby, N.A. Cox, and **W. K. Kim** (2017) Effect of Amasil NA on growth performance and *Salmonella* typhimurium colonization in broilers. Poult. Sci. 96 (Suppl. 1): 321.
69. Wang*, J., R. Patterson, and **W. K. Kim** (2017) Effects of combination of phytase and multi-carbohydrate enzymes on growth performance and bone mineralization in broilers. Poult. Sci. (Suppl. 1) 275.
70. Fernanda*, C., P. Sedlacek, S. Maini, M.J. Saxena, R. Kotagiri, and **W. K. Kim** (2017) Effects of herbal Methiorep on growth performance, egg production, and egg quality in laying hens. Poult. Sci. (Suppl. 1) 317.
71. Fernanda*, C., P. Sedlacek, J. Kim, E. Koo, H. Choi, and **W. K. Kim** (2017) Effects of various levels of synthetic arginine supplementation on growth response and fat deposition in broilers. Poult. Sci. (Suppl. 1) 269.
72. Chen, C., Jung B., and W.K. Kim (2017) Effects of lysophospholipid product (Lipidol UltraTM) on growth performance and carcass characteristics in broilers. Poult. Sci. (Suppl. 1) 277.
73. Kim*, H., C. Chen, P.D. Sedlacek, and **W. K. Kim** (2017) mRNA expression of key adipogenic genes in the liver of ACRB and COBB chicken breeds during the embryogenic period. Poult. Sci. 96 (Suppl. 1): 306
74. C. Chen*, S. Maini, MJ Saxena, R Kotagiri and **W K Kim** (2016) Role of natural growth promoters (AV/AGP/10 and Vilocym Z) as antibiotics alternatives in broilers. 2016 World Poultry Congress, Beijing, China
75. C. Chen* and **W. K. Kim** (2016) Role of 1, 25-dihydroxyvitamin D_3 on broiler osteoblast differentiation and mineralization in vitro. Poult Sci. 95 (Suppl. 1): 55.
76. R. Adhikari* and **W. K. Kim** (2016) Effects of adipogenic cocktail and different levels of oleic acid on adipogenic differentiation of primary chicken mesenchymal stem cells. Poult Sci. 95 (Suppl. 1): 165.
77. R. Adhikari*, R. Beckstead and **W. K. Kim** (2016) Effect of 20(S)-hydroxycholesterol *in ovo* injection on developmental transcripts at the early stage of chick embryo development. Poult Sci. 95 (Suppl. 1): 166.
78. R. Adhikari* and **W. K. Kim** (2016) Effect of different levels of 20(S)-hydroxycholesterol on osteogenic and myogenic differentiation of mesenchymal stem cells isolated from compact bones of broilers. Poult Sci. 95 (Suppl. 1): 47.
79. P. Adhikari*, D. E. Cosby, N. A. Cox and **W. K. Kim** (2016) Effect of fructoligosaccharides supplementation on the ceca, liver-gall bladder and ovary Salmonella colonization plus fecal shedding and ileum morphology in hens challenged with *Salmonella* Enteritidis. Poult Sci. 95 (Suppl. 1): 3.

80. P. Adhikari*, A. Rogiewicz, **W.K. Kim**, D. E. Cosby, N. A. Cox and B.A. Slominski (2016) Effect of yeast-derivd products on S*almonella* Enteritidis shedding and colonization in different organs of laying hens. Poult Sci. 95 (Suppl. 1): 78.
81. P.A. Adhikari*, D.E. Cosby, N.A. Cox and **W.K. Kim** (2016) Efficacy of 2-Nitropropanol and 2-Nitroethanol to reduce the growth of *Salmonella* Enteritidis, *Salmonella* Heidelberg, *Salmonella* Kentucky and *Salmonella* Typhimurium *in vitro*. Poult Sci. 95 (Suppl. 1): 268.
82. R. Adhikari*, J. Lee and **W.K. Kim** (2016) Effects of dietary protein, energy and B-mannanase on laying performance, egg quality, and ileal amino acid digestibility in laying hens. Poult Sci. 95 (Suppl. 1): 227.
83. P. Sedlacek*, S. Maini, M.J. Saxena, R. Kotagiri and **W.K. Kim** (2016) Effects of herbal methionine on growth performance and gene expression for liver nutrient metabolism in pullets. Poult Sci. 95 (Suppl. 1): 287.
84. R. Adhikari*, A. Batal, and **W.K. Kim** (2015) Effect of xylanase and energy density on egg production, egg quality, and body composition in laying hens during feed restriction performance fed corn/SBM/DDGS. Poult Sci. 94 (Suppl. 1): 132.
85. Y. Shang*, E. Khafipour, J.H. Kim and **W.K. Kim** (2015) Ileal mucosa and digesta microbiota of broiler chickens in response to fructooligosaccharide supplementation. Poult Sci. 94 (Suppl. 1): 143.
86. R. Adhikari*, A. Batal, and **W.K. Kim** (2015) Effect of xylanase and energy supplementation in corn/SBM/DDGS diet fed to commercial laying hens. Poult Sci. 94 (Suppl. 1): 32.
87. P.A. Adhikari* and **W.K. Kim** (2015) Effects of total sulphur amino acids on performance and carcass yield in broilers fed diets with and without an antibiotic growth promoter. Poult Sci. 94 (Suppl. 1): 36.
88. P.A. Adhikari, D.E. Cosby, N.A. Cox and **W.K. Kim** (2015) Colonization of mature laying hens with Salmonella Enteritidis using either oral and intracloacal inoculation. Poult Sci. 94 (Suppl. 1): 110.
89. A. Regassa* and **W.K. Kim** (2015) Chicken serum has the potential to improve the adipogenic potency of different fatty acids in chicken preadipocytes. Poult Sci. 94 (Suppl. 1): 157.
90. C.D. Aranibar, C.S. Dunkley, A.J. Davis, A.B. Webster, W. Dailey, **W.K. Kim**, J.L. Wilson (2015) Impact of early feeding program on broiler breeder pullet behavior, body weight and egg production. Poult Sci. 94 (Suppl. 1): 1.
91. J. Datar, A. Regassa*, **W.K. Kim**, C.G. Taylor, P. Zahradka, M. Shu. (2015) Effects of different dietary fats on lipid profile and expression of genes involved in testes function in Zucker (*fa/fa*) rats. Canadian Nutrition Society Annual Conference, May 28-30, Winnipeg Conference Centre, Winnipeg, Manitoba, Canada.
92. **W.K. Kim. (**2014). Identifying nutrients/bioactive molecules to improve bone development and health in poultry. The 10th Asia Pacific Poultry Conference, October 19-23, International Convention Center, Jeju, Korea.
93. A. Regassa*, J.S. Sands, A.M. Walsh, **W.K. Kim**, E. Kiarie and C.M. Nyachoti (2014) Dietary D-xylose levels differentially affect the the expression of genes involved in lipid and glucose metabolism in broilers. Poult Sci. 93 (Suppl. 1): 83.
94. A. Regassa*, J.S. Sands, A.M. Walsh, **W.K. Kim**, E. Kiarie and C.M. Nyachoti (2014) Evaluation of D-xylose as an energy source for broiler chickens. Poult Sci. 93 (Suppl. 1): 152. P. Adhikari* and **W.K. Kim** (2014) Supplementation of antibiotic alternatives on the growth performance parameters in broilers. Poult Sci. 93 (Suppl. 1): 18.
95. P. Adhikari* and **W.K. Kim** (2014) Effect of different levels of total sulphur amino acid (TSAA) on performance parameters in broiler chicken fed antibiotics free diets. Poult Sci. 93 (Suppl. 1): 114.
96. Y. Shang*, J.H. Kim, and **W.K. Kim** (2014) Effect of fructooligosaccharide supplementation on leukocytes composition, immunoglobulin G level and ileal cytokine gene expression under *Salmonella* Enteritidis lipopolysaccharides challenge in broiler chickens. Poult Sci. 93 (Suppl. 1): 39.
97. Y. Shang*, J.H. Kim, and **W.K. Kim** (2014) Dietary fructooligosaccharide supplementation as an antibiotic alternative on growth performance, intestinal morphology and immune responses of broiler chickens. Poult Sci. 93 (Suppl. 1): 129.
98. Y. Shang*, H. Derakshani, E. Khafipour, J.H. Kim, and **W.K. Kim** (2014) Ileum and cecum microbiota of broiler chickens in response to low calcium and available phosphorus diet supplemented with fructooligosaccharide. Poult Sci. 93 (Suppl. 1): 9

99. R. Adhikari* and **W.K. Kim** (2014) Effect of adipogenic cocktail and different levels of oleic acid on adipogenic differentiation of mesenchymal stem cells derived from broiler compact bones. Poult Sci. 93 (Suppl. 1): 163.
100. R. Adhikari* and **W.K. Kim** (2014) Effect of different levels of 1,25-dihydroxycholecalciferol on preadipocyte cells isolated from broilers. Poult Sci. 93 (Suppl. 1): 54.
101. R. Adhikari* and **W.K. Kim** (2014) Isolation and differentiation of mesenchymal stem cells (MSC) from broiler compact bones. Poult Sci. 93 (Suppl. 1): 163.R.
102. Adhikari*, B. Pokharel, A. Regassa, J.D. House and **W.K. Kim** (2014) Effects of different isoforms of vitamin D on egg quality and bone mineralization in laying hens fed low Ca and P. Poult Sci. 93 (Suppl. 1): 9
103. B. Starkey* and **W.K. Kim** (2014) Effects of available phosphorus levels on growth performance, bone quality, and body composition in broiler chicks fed diets with/without antibiotic growth promoters. Poult Sci. 93 (Suppl. 1): 9.
104. B. Pokharel*, C.M. Nyachoti and **W.K. Kim** (2014) Effect of reduced dietary level of available phosphorus on performance and bone parameters in growing pigs. Midwest Animal Science Meeting, De mois, IA.
105. B. Pokharel*, C.M. Nyachoti and **W.K. Kim** (2014) Phosphorus utilization and sodium-dependent phosphate co-transporters gene expression in growing pigs fed low available phosphorus diets. Joint Animal Science Meeting, Kansas City, MO.
106. D. Moseti*, A. Regassa, and **W.K. Kim** (2014) 25-Hydroxycholesterol inhibits adipogenic differentiation of C3H10T1/2 mouse embryonic stem cells through inhibition of PPAR-gamma expression. Experimental Biology, San Diego, California.
107. R. Adhikari*, M. Kugo, J.H. Lee, C.M. Nyachoti and **W.K. Kim** (2014) Effect of β-mannanase supplementation on performance and egg quality in laying hens fed a low protein and energy diet. Poultry Sci. 93 (Suppl. 1):211..
108. A. Regassa* and **W.K. Kim** (2014) Effect of broiler age on correlations of different bone parameters. . Poultry Sci. 93 (Suppl. 1):242.
109. A. Regassa* and **W.K. Kim** (2014) Different fatty acids have different potentials for the induction of key adipogenic transcripts in preadipogenic transcripts in preadipocytes isolated from laying hens. . Poultry Sci. 93 (Suppl. 1):251.
110. Y. Shang*, A. Hunde, J.H. Kim, and **W.K. Kim** (2013) Effects of dietary fructooligosaccharides supplementation on intestinal calcium and phosphorus transporter, ileal cytokine gene expression and apparent phosphorus digestibility of broiler chicks. Symposium on Gut Health in Production of Food Animals, Kansas City, MO. Page 29.
111. Y. Shang*, H. Salim, R. Patterson, A. Rogiewicz, B.A. Slominski, and **W. K. Kim** (2013) Effects of dietary supplementation with phytase and fructooligosaccharide on performance and bone parameters of broiler chicks. The 11th World Conference on Animal Production, Beijing, China.

INVITED LECTURES AND PRESENTATIONS

Since Promotion to Associate Professor at UGA

1. January 21, 2022, Guest lecturer "Prebiotics & Probiotics" in California Polytechnic State University, California, U.S.A.
2. January 19, 2022, Guest lecturer "Feed Ingredients for Poultry" in California Polytechnic State University, California, U.S.A.
3. December 13, 2021. Invited speaker "Nutrition and Coccidiosis" in the 7th International Animal Intestinal Ecology and Health Symposium. Beijing, China.
4. September 27, 2021, Invited speaker "Bone and Coccidiosis in Cage-free System" in 2021 Georgia Layer Conference, Athens, GA.
5. August 30, 2021, Invited speaker "Nutrition and Coccidiosis" in Arkansas Nutrition Conference, Rogers, AK.
6. March 5, 2021, Invited speaker "Mycotoxin in poultry" Azomite seminar series.
7. Dec 8, 2020, Invited speaker "Effects of peptiva on growth performance and gut health in broilers challenged with *Eimeria* spp.". Feedstaffs symposium supported by Vitech Bio Corporation.

8. Sept 16, 2020, Invited speaker "Amino acid nutrition on nitrogen retention and excretion in poultry". VII International Congress of Sustainable Agriculture. Vicosa, Minas Gerais, Brazil.
9. Dec 16, 2019, Invited speaker "Bone and gut health in poultry" Chungang University, Anseung, South Korea.
10. May 28, 2019, Invited speaker "Gut microbiota analysis and the alternative solutions for AGP in USA" Vitech Bio Technical Symposium, Shandong province, Weipeng, China.
11. May 28, 2019, Invited speaker "Optimization of raw material digestion and absorption in poultry" Vitech Bio Technical Symposium, Shandong province, Weipeng, China.
12. May 26, 2019, Invited speaker "Gut microbiota analysis and the alternative solutions for AGP in USA" Hunan Animal Science Meeting, Hunan province, Zhangzhuo, China.
13. May 25, 2019, Invited speaker "Antibiotic alternatives in poultry" Hunan Institute of Agricultural Science, Hunan province, Zhangzhuo, China.
14. May 22, 2019, Invited speaker "Vitamin D and bone health in poultry". National Institute of Poultry Research, Pyungchang, South Korea.
15. October 11, 2018, Guest lecture. "Vitamins and Minerals" and "Exogenous enzymes to improve digestive efficiency". 2018 BI workshop, Watkinsville, GA.
16. September 24, 2018. Invited speaker. "Vitamin D and Bone Development", 2018 Georgia Layer Conference, Gainesville GA.

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17. May 31st, 2018. Invited speaker. "Role of 25-OH Vitamin D3 in Pullets and Laying Hens". Niigata University, Niigata, Japan.
18. May 31st, 2018. Invited speaker. "Georgia Poultry Industry and University of Georgia". Niigata University, Niigata, Japan
19. June 5th, 2018, Invited speaker. "D and L Methionine on growth performance and egg production in pullets and laying hens under chronic cyclic heat stress". CJ, Suwan, South Korea.
20. June 5th, 2018, Invited speaker. "Salmonella and Coccidiosis Models". CJ, Suwan, South Korea.
21. June 7th, 2018. Invited speaker. "Role of 25-OH Vitamin D3 in Pullets and Laying Hens". KonKuk University, Seoul, South Korea.
22. May 23rd, 2018. Invited speaker "Recent studies on the use of 25-OH Vitamin D3 in pullets and laying hens". Multi-State Poultry Feeding and Nutrition Conference and DSM Nutritional Products, Inc's Technical Symposium, Indianapolis, Indiana.
23. April 20th, 2018, Presenter. "Fatty acids and fat tissue formation in laying hens". NCCC210 USDA Regional Meeting, San Diego, California, USA.
24. March 22nd, 2018, Invited speaker. "Optimization of Nutrient Digestion and Absorption". Focus Asia 2018, Bangkok, Thailand.
25. June 1st, 2017, Invited speaker. "Roles of prebiotics and probiotics in poultry". Chungnam National University, Daejun, South Korea.
26. May 31st, 2017, Invited speaker. "Bone health in poultry". Dankuk University, Cheonan, South Korea.
27. May 26th, 2017, Invited speaker. "Roles of prebiotics and probiotics in poultry". Konkuk University, Seoul, South Korea.
28. May 24th, 2017, Invited speaker. "Georgia poultry industry and research at University of Georgia" and "Roles of prebiotics and probiotics". CJ, Seoul, South Korea.
29. February 20th, 2017, Invited speaker. "Bone health in poultry: Calcium, phosphorus, and what else?" 2017 UGA Poultry Science Seminar Series, Athens, Georgia, U.S.A.
30. October 25th, 2016, Invited speaker. "Role of feed additives on gut health and Salmonella colonization in poultry". 2016 Mini-Summit: Food Safety, Policy and Sustainability. Shanghai Ocean University, Shanghai, China.
31. April 12, 2016, Invited speaker. "Georgia Poultry Industry and UGA Poultry Facility and Research". Kofavet seminer, Yoosung Hotel, Daejon, South Korea.
32. April 8, 2016, Invited speaker. "Effects of biocholine on growth performance, intestinal development and immune responses in broilers". Kofavet seminer, Imperial Hotel, Seoul, South Korea.

33. April 1, 2016. Presenter, "Regulation of mesenchymal stem cells by oxysterols". 2016 NCCC210 Multistate Project Meeting. San Diego, CA. April 1, 2016.
34. January 26, 2016, Invited speaker. "Effects of beta-mannanase on laying performance, egg quality and apparent ileal digestibility of amino acids in laying hens" 1st CTCBio International Conference, Duluth, GA, U.S.A.
35. March 25, 2015, Invited speaker. "Role of prebiotics and probiotics on growth performance, intestinal morphology, and immune response in broilers". 2015 Mid-Atlantic Nutrition Conference, Baltimore, MD. March 24-25, 2015.
36. March 27, 2015. Presenter, "Regulation of adipogenic differentiation of mesenchymal stem cells by bioactive molecules". 2015 NCCC210 Multistate Project Meeting. Boston, MA. March 27, 2015
37. January 31, 2015, Invited speaker "Influence of Nutrition on Intestinal Development and Immune System". 2015 University of Georgia International Poultry Short Course, UGA Poultry Research Center, Athens, GA.
38. January 31, 2015, Invited speaker "Nutrition Impacts on Bone Development". 2015 University of Georgia International Poultry Short Course, UGA Poultry Research Center, Athens, GA.
39. October 25, 2014, Invited speaker "Georgia Poultry Industry and Poultry Research at University of Georgia". Korean Industry Group Meeting, Chunan, South Korea.
40. October 21, 2014, Invited speaker "Identifying nutrients/bioactive molecules to improve bone development and health in poultry. The 10th Asia Pacific Poultry Conference, International Convention Center, Jeju, Korea.
41. October 7, 2014, Invited speaker "Regulation of mesenchymal stem cells by bioactive molecules: Implication for poultry health and production". University of Georgia, Department of Animal and Dairy Science, Athens, Georgia.
42. September 3, 2014, Guest lecture "Poultry Nutrition" in POUL2020 (Introductory Poultry Science), University of Georgia, Athens, Georgia.
43. August 08, 2014, Invited speaker "Role of prebiotics on growth performance, intestinal morphology, immune response, and gut microbiom in broilers". US-Korea Conference 2014 (UKC 2014), San Francisco, CA.
44. June 12, 2014, Invited speaker "Regulation of mesenchymal stem cells by bioactive molecules: Implication for skeletal integrity and bone health in poultry". Konkuk University, Department of Veterinary Medicine, Seoul, South Korea.
45. June 12, 2014. Invited speaker "Bone metabolism and skeletal integrity in laying hens: Important of minerals and bone matrix proteins". Konkuk University, Department of Animal Science, Seoul, South Korea.
46. June 11, 2014, Invited speaker "Role of fructooligosacharides on performance, immune responses and intestinal microbiome in broilers under antibiotics-free condition". National Institute of Animal Science, Sunghwan, South Korea.
47. June 9, 2014, Invited speaker "Bone metabolism and skeletal integrity in laying hens: Important of minerals and bone matrix proteins". Chungnam National University, Department of Animal Science, Daejon, South Korea.
48. May 21 and 22, 2014, Invited speaker "Bone metabolism and skeletal integrity in laying hens: Importance of minerals and bone matrix proteins. Multi-State Poultry Feeding and Nutrition Conference and Nutriad Inc's Technical Symposium. Indianapolis, Indiana.
49. April 7, 2014, Invited speaker "Regulation of Mesenchymal Stem Cells by Nutrients/Bioactive Molecules: Implication for poultry health and production. Poultry Diagnostic and Research Center (PDRC), College of Veterinary Medicine, University of Georgia, Athens, Georgia.
50. March 25, 2014, Guest Lecture "Korean Food and Cultures". AESC 2050 (Effects of Global Agriculture on World Culture) University of Georgia, Athens, Georgia.
51. December 2013, Invited speaker "Effects of fructooligosaccharides and phytase on P utilization, bone quality, immune response, and microbiome in broiler chicks. National Institute of Animal Science, Sunghwan, South Korea.

RESEARCH AWARDS RECEIVED BY STUDENTS

1) 2021-Po-Yun Teng (Ph.D. candidate) – 2021 PSA Hatchery Student of the Year Award.
2) 2021-Yuguo Tompkins (Ph.D. candidate) – 2021 PSA oral presentation award.

3) 2021-Milan Sherma (Ph.D. candidate) – 2021 PSA oral presentation award.
4) 2020-Dima White (Ph.D. candidate) – 2020 PSA Maurice Stein Award.
5) 2020-Dima White (Ph.D. candidate) – 2020 E. Broadus Browne Award, 2nd place Ph.D.
6) 2020-Ashley Hatch (Undergraduate) – 2020 UGA CAES Undergraduate Research Competition- 2nd place.
7) 2019-Dima White (Ph.D. candidate) – 2019 PSA oral presentation award.
8) 2019-Po-Yun Teng (Ph.D. candidate) – 2019 PSA oral presentation award.
9) 2018-Po-Yun Teng (M.Sc. candidate) – 2018 PSA oral presentation award.
10) 2018-Chongxiao Chen (Ph.D. candidate) – 2018 UGA RBC oral presentation 2nd place.
11) 2018-Chongxiao Chen (Ph.D. candidate) – 2018 PSA oral presentation award.
12) 2017-Chongxiao Chen (Ph.D. candidate) – 2017 PSA oral presentation award.
13) 2017- Pratima Adhikari (Ph.D. candidate) – 2017 PSA Maurice Stein Award.
14) 2017-Pratima Adhikari (Ph.D. candidate)- 2017 PSA Travel Award
15) 2017- Chongxiao Chen (Ph.D. candidate)- 2017 WPSA travel award for the European Symposium on Poultry Nutrition 2017
16) 2016- Roshan Adhikari (Ph.D. candidate) – 2016 PSA oral presentation award.
17) 2016 -Pratima Adhikari (Ph.D. candidate)- 2016/2017 Phibro Animal Health Graduate Fellowship Award.
18) 2016-Pratima Adhikari (Ph.D. candidate)- Graduate Studies Travel Award at UGA
19) 2016-Chongxiao Chen (Ph.D. candidate)- Youth Program Travel Award at 2016 World Poultry Congress.
20) 2016- Chongxiao Chen (Ph.D. candidate)- 2016 Carpenter Essay Award from WPSA-USA
21) 2016- Diane Park (Undergraduate researcher) - 3rd place in 2016 CAES undergraduate research competition

5. PROFESSIONAL ACTIVITY AND SERVICE

NATIONAL & INTERNATIONAL SERVICE

1. National Animal Nutrition Program-Feed composition committee (2021- present)
2. Honorary Scientist/Advisor on Agricultural Green Technology in The Rural Development Administration of The Republic Korea (August 1, 2012 – December 31, 2013).

JOURNAL EDITOR/REVIEWER ROLES

1. Section Editor for *Poultry Science* (2017-Present)
2. Associate Editor for *Canadian Journal of Animal Science* (2015-Present)
3. Guest Editor for Animals (2020-Present)
4. Editorial Board member for *Journal of Applied Poultry Research* (2013-Present)
5. Editorial Board member for *Frontiers in Avian Physiology* (2017-Present)
6. Associate Editor for *Poultry Science* (2010-2017)
7. Editorial Board member for *Agricultural, Food, and Analytical Bacteriology* (AFAB) (2009-2016).
8. Editorial Board member for *Korean Journal of Agricultural Science* (2016-2018).
9. Committee for Maurice Stein Award at Poultry Science Association (2014-2018).
10. Committee for American Egg Board Award at Poultry Science Association (2016-2018)
11. Co-Chair/Member of Multistate Research Project, NCCC210: Regulation of Adipose Tissue Accretion in Meat-Producing Animals (2015-Present)
12. Ad hoc Reviewer for *British Journal of Nutrition*
13. Ad hoc Reviewer for *Journal of Animal Science*
14. Ad hoc Reviewer for *Canadian Journal of Animal Science*
15. Ad hoc Reviewer for the *Poultry Science*
16. Ad hoc Reviewer for the *Molecular and Cellular Biochemistry*
17. Ad hoc Reviewer for *Life Sciences*
18. Ad hoc Reviewer for *Bioresource Technology Journal*.
19. Ad hoc Reviewer for *Lipids*
20. Ad hoc Reviewer for *Osteoporosis International*
21. Ad hoc Reviewer for *International Journal of Molecular Sciences*

22. Ad hoc Reviewer for *Asian-Australasian Journal of Animal Sciences*
23. Ad hoc Reviewer for *Journal of the Science of Food and Agriculture*
24. Ad hoc Reviewer for *Journal of Food Biochemistry*
25. Ad hoc Reviewer for *Diabetologia*

CONFERENCE CHAIR/EVALUATOR ROLES

Since Appointment at UGA

1. Student Presentation Judge, 2021 Poultry Science Association Meeting.
2. Abstract Review Committee, 2021 Poultry Science Association Meeting.
3. Moderator in Metabolism and Nutrition, 2021 International Poultry Scientific Forum, Annual Meeting, Atlanta, Georgia.
4. Moderator in Metabolism and Nutrition, 2020 International Poultry Scientific Forum, Annual Meeting, Atlanta, Georgia.
5. Poster judge in Metabolism and Nutrition, 2020 International Poultry Scientific Forum, Annual Meeting, Atlanta, Georgia.
6. Moderator in Metabolism and Nutrition, 2019 International Poultry Scientific Forum, Annual Meeting, Atlanta, Georgia.
7. Chair for NCCC210, 2018 USDA Regional meeting, San Diego, California, USA.
8. Moderator in Metabolism and Nutrition, 2018 International Poultry Scientific Forum, Annual Meeting, Atlanta, Georgia.
9. Section Chair in Metabolism and Nutrition, 2017 Poultry Science Association Meeting, Orlando, Florida, USA.
10. Moderator in Metabolism and Nutrition, 2017 Poultry Science Association Meeting, Orlando, Florida, USA.
11. Student Presentation Judge, 2017 Poultry Science Association Meeting, Orlando, Florida, USA.
12. Moderator in Metabolism and Nutrition I, 2017 International Poultry Scientific Forum, Annual Meeting, Atlanta, Georgia.
13. Student Presentation Judge, 2017 International Poultry Scientific Forum, Annual Meeting, Atlanta, Georgia.
14. Co-Chair for NCCC210, 2017 USDA Regional meeting, Chicago, Illinois, USA.
15. Moderator in Metabolism and Nutrition, Nutrition for 2016 PSA Annual Meeting, New Orleans, Louisiana.
16. Student Presentation Judge for Nutrition and Metabolism I, 2016 International Poultry Scientific Forum, Atlanta, Georgia, USA.
17. Moderator for Vitamin and Mineral, 2015 Poultry Science Association Meeting, Louisville, Kentucky, USA.
18. Student Presentation Judge, 2015 Poultry Science Association Meeting, Louisville, Kentucky, USA.
19. Moderator for Feed Additives 1 and 2, 2014 10th Asia Pacific Poultry Conference, Jeju, Korea
20. Moderator for Vitamin and Mineral, 2013 Poultry Science Association Meeting, San Diego, California, USA.

MANUSCRIPT REVIEW

Since Appointment at UGA

2013- Reviewed 12 manuscripts for 10 academic journals
2014- Reviewed 13 manuscripts for 8 academic journals
2015-Reviewed 29 manuscripts for 15 academic journals
2016-Reviewed 19 manuscripts for 7 academic journals
2017-Reviewed 16 manuscripts for 8 academic journals
2018-Reviewed 18 manuscripts for 6 academic journals
2019-Reviewed 20 manuscripts for 10 academic journals
2020-Reviewed 21 manuscripts for 17 academic journals
2021-Reviewed 13 manuscripts for 8 academic journals

GRANT PROPOSAL REVIEW

Since Appointment at UGA

2 UGA hatch project grant Proposals (2014)

1 Alberta Livestock and Meat Agency (ALMA) (2014)
1 National Science Foundation (2015)
1 OSU Seed Grant Review (2016)
5 Virginia Tech Patti Research Grant Review (2016)
4 UGA CAES Seed Grant Review (2017)
1 OSU Seed Grant Review (2018)
1 UGA hatch project grant Proposals (2019)
12 USDA-NIFA- Animal Nutrition, Growth and Lactation Program Area as a review panelist (2020).
1 OSU Research & Graduate Education Internal Grant Program- Immediate Needs Program (2020)
2 VT Animal Nutrition Research Grant (2020)

UNIVERSITY AND DEPARTMENT SERVICE

1. UGA CAES Undergraduate Academic Affair Committee (2017-present)
2. Department Research Committee Chair (2020-Present): Department of Poultry Science, UGA.
3. Department Award Committee (2020-Present): Department of Poultry Science, UGA.
4. Faculty Search Committee (2020): Associate/Assistant professor in Poultry Science, Poultry Science Department, UGA.
5. Graduate grade Appeal Committee (2019): Department of Poultry Science, UGA.
6. Faculty Search Committee (2019): Full/Associate/Assistant professor in Poultry Science, Poultry Science Department, UGA.
7. Departmental Graduate Committee (2018-Present): Poultry Science Department, UGA
8. Research Committee (2016-2020): Department of Poultry Science, UGA
9. Teaching and Curriculum Committee (2016-2020): Department of Poultry Science, UGA Faculty Search Committee (2017): Poultry Nutritionist, Department of Poultry Science, UGA
10. Poultry Science Building Committee (2017-2018): Department of Poultry Science, UGA
11. Faculty Search Committee (2016): Poultry Immunologist, Department of Poultry Science, UGA.
12. Award Committee for UGA Brooks Global Program: Department of Poultry Science, UGA.
13. Award Committee for Broadus Browne Research Awards for Outstanding Graduate Student Research Committee (2016): Department of Poultry Science, University of Georgia.
14. Poultry Research Center Committee (2015-2016): Department of Poultry Science, University of Georgia.
15. Faculty Search Committee (2014): Poultry Management and Health Position, Department of Poultry Science and Poultry Diagnostics and Research Lab.
16. Faculty Search Committee (2014): Extension-Poultry Nutrition, Department of Poultry Science, University of Georgia.