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**Education:**

Ph.D. in Animal Science with Distinction, 1989, Univ. of Guelph, Canada.
M. Sc. in Animal Science, 1986, Univ. of Guelph, Canada.
B. Agr. in Animal Science with First Class Honors, 1982, Univ. of Ife, Ile-Ife, Nigeria.

**Experience:**

Professor, 2001-present, Purdue University, West Lafayette, IN, USA.
Visiting Scientist, 2016, Massey University, Palmerston North, New Zealand.
Associate Editor, 2001 to 2005, Journal of Animal Science.
Visiting Scientist, 1998, Univ. of Saskatchewan, Canada.
Associate Professor, 1996-2001, Purdue University, West Lafayette, IN, USA.
Assistant Professor, 1991-1996, Purdue University, West Lafayette, IN, USA.
Post-Doctorate, 1989-1991, Univ. of Guelph, Canada.

**Published Work:**

| | |
|---|---|
| **Peer-Reviewed Journal Articles:** | **284** |
| Abstracts: | 210 |
| Book Chapters: | 7 |
| Conferences Proceedings: | 36 |
| Other research publications: | 25 |
| **Total:** | **562** |

**Awards and Honors:**

11. National Academy of Sciences – National Research Council Committee on Nutrient Requirements of Swine 2010-12
10. National Broiler Chicken Council Research Award, PSA, 2012
9. Evonik-Degussa Poultry Research Award, Poultry Science Association (PSA), 2010
8. American Feed Industry Association Nonruminant Nutrition Award, American Society of Animal Science, 2007
7. Maple Leaf Farm Duck Research Award, Poultry Science Association, 2007
6. American Feed Industry Association Poultry Nutrition Award, Poultry Science Association, 2005
5. Department of Animal Sciences Teaching Award, Purdue University, 2003
4. Taffy Davidson Memorial Research Grant, Univ. of Guelph, 1988.
3. Soden Memorial Fellowship in Agriculture, Univ. of Guelph, 1987 and 1988.
2. James Harris Scholarship, Univ. of Guelph, 1985 and 1986.
1. Canadian Commonwealth Scholarship, 1984-1989.

**Service to Scholarly Societies:**
Associate Editor, Journal of Animal Science, 2001 to 2005
Associate Editor, Canadian Journal of Animal Science, 2009 to 2012
Section Editor, Journal of Animal Science, 2016 to 2019
Section Editor, Poultry Science, 2020 to present

**Memberships in Academic, Professional and Scholarly Societies:**
American Society of Animal Science, 1985 to present
Canadian Society of Animal Science, 1986 to present
Poultry Science Association, 1994 to present
World Poultry Science Association, 2004 to present

**Refereed Papers:**
284) Babatunde, O.O, A. Bello, A. Y. Dersjanti-Li, and O. Adeola. 2021 Evaluation of the responses of broiler chickens to varying concentrations ofphytate phosphorus and phytase.I. Starter phase (day 1−11 post hatching). Poult. Sci. 100:101396, 2021 Poultry Science 100:101396 https://doi.org/10.1016/j.psj.2021.101396

283) Oladele, P., E. Li, H. Lu, P. Cozannet, C. Nakatsu, T. Johnson, O. Adeola, and K.M. Ajuwon. 2021. Effect of a carbohydrase admixture in growing pigs fed wheat-based diets in thermoneutral and heat stress conditions J. Anim. Sci. 99: 1-10 ttps://doi.org/10. 1093/jas/skab254

282) Lu, H., Hui Yan, H.M. Massey O'Neill, C. Bradley, M.R. Bedford, P. Wilcock, C.H. Nakatsu, O. Adeola, and K.M. Ajuwon. 2021. Effect of xylanase and live yeast supplementation on growth performance, nutrient digestibility and gut microbiome diversity of pigs Can. J. Anim. Sci. 101: 459–472 dx.doi.org/10.1139/cjas-2020-0082

281) Park, CS, AS Aderibigbe, D Ragland, and O Adeola. 2021. Digestible and metabolizable energy concentrations and amino acid digestibility of dried yeast and soybean meal for growing pigs. J. Anim. Sci. 99 (1), https://doi.org/10.1093/jas/skaa385

280) Babatunde O.O., C.S. Park, and O. Adeola. 2021. Nutritional potentials of atypical feed ingredients for broiler chickens and pigs. Animals 2021, 11, 1196; https://doi.org/10.3390/ani11051196

279) Wang, T, JA Jendza, P Ader, and O Adeola. 2021. Evaluation of a novel hybrid 6-phytase using an updated phosphorus deficiency model in broiler chickens. Can. J. Anim. Sci. 101: 263–273 (2021) dx.doi.org/10.1139/cjas-2020-0126

278) Park, CS, D Ragland, O Adeola. 2021. Amino acid digestibility in corn distillers' dried grains with solubles in pigs at different dietary levels of casein and test ingredient. Animal, 100147 https://doi.org/10.1016/j.animal.2020.100147

277) Babatunde, O.O and O. Adeola. 2021 Additivity of apparent and standardised ileal digestibility of phosphorus in corn and canola meal mixed diets; basal endogenous loss of phosphorus responses to phytase and age. Brit. Poult. Sci. 62:2, 244-250, https://doi.org/10.1080/00071668.2020.1825621

276) Park, CS, D Ragland, O Adeola. 2021. Amino acid digestibility in corn distillers' dried grains with solubles in pigs at different dietary levels of casein and test ingredient. Animal, 100147 https://doi.org/10.1016/j.animal.2020.100147

275) Haetinger, VS, CS Park, and O Adeola. 2021 Energy values of copra meal and cornstarch for broiler chickens. Poult. Sci. 100 (2), 858-864. https://doi.org/10.1016/j.psj.2020.10.064

274) Babatunde, OO, SO Osho, CS Park, O Adeola. 2020. Additivity of apparent and standardized ileal digestibility of phosphorus in mixed diets containing corn and soybean meal fed to broiler chickens. Poult. Sci. 99 (12), 6907-6913.

273) Aderibigbe, A., AJ Cowieson, JO Sorbara, and O Adeola. 2020. Growth phase and dietary α-amylase supplementation effects on nutrient digestibility and feedback enzyme secretion in broiler chickens. Poult. Sci. 99 (12), 6867-6876.

272) Adedokun, SA and O Adeola. 2020. Regression-derived ileal endogenous amino acid losses in broiler chickens and cannulated pigs fed corn fiber, wheat bran, and pectin. Animals 2020, 10, 2145; doi:10.3390/ani10112145

271) Park, C.S. and O. Adeola. 2020. Basal ileal endogenous losses of amino acids in pigs determined by feeding nitrogen-free diet or low-casein diet or by regression analysis. Anim. Feed Sci. Technol. 267, 114550 https://doi.org/10.1016/j.anifeedsci.2020.114550

270) Babatunde, OO, JA Jendza, P Ader, P Xue, SA Adedokun, and O Adeola. 2020. Response of broiler chickens in the starter and finisher phases to 3 sources of microbial phytase. Poult. Sci. 99 (8), 3997-4008. https://doi.org/10.1016/j.psj.2020.05.008

269) Park, CS, VD Naranjo, JK Htoo, and O Adeola. 2020. Comparative amino acid digestibility between broiler chickens and pigs fed different poultry by-products and meat and bone meal. J. Anim. Sci. 98 (7), doi:10.1093/jas/skaa223

268) Aderibigbe, AS, CS Park, A Adebiyi, OA Olukosi, O Adeola. 2020. Digestibility of amino acids in protein-rich feed ingredients originating from animals, peanut flour, and full-fat soybeans fed to pigs. Animals 2020, 10, 2062; doi:10.3390/ani10112062

267) Lu, H., S Shin, I Kuehn, M Bedford, M Rodehutscord, O Adeola, KM Ajuwon. 2020. Effect of phytase on nutrient digestibility and expression of intestinal tight junction and nutrient transporter genes in pigs. J. Anim. Sci. 98 (7), doi:10.1093/jas/skaa206

265) Osho, S. O. and O. Adeola. 2020. Chitosan oligosaccharide supplementation alleviates stress stimulated by in-feed dexamethasone in broiler chickens. SO Osho, O Adeola. Poult. Sci. 99 (4), 2061-2067. https://doi.org/10.1016/j.psj.2019.11.047

264) Aderibigbe, A., AJ Cowieson, JO Sorbara, G Pappenberger, and O Adeola. 2020. Intestinal starch and energy digestibility in broiler chickens fed diets supplemented with α-amylase. Poult. Sci. 99 (11), 5907-5914.

263) Adeola, O. and C. Kong. 2020. Energy values of triticale or sorghum distillers' dried grains with solubles and rye fed to broiler chickens. J. Anim. Sci. 98 (2), doi:10.1093/jas/skaa018

262) Aderibigbe, A., AJ Cowieson, JO Sorbara, G Pappenberger, and O Adeola. 2020. Growth performance and amino acid digestibility responses of broiler chickens fed diets containing purified soybean trypsin inhibitor and supplemented with a monocomponent protease. Poult. Sci. 99 (10), 5007-5017.

261) Osho, S. O. and O. Adeola. 2020. Chitosan supplementation alleviates stress induced by dexamethasone treatment in broiler chickens. Poult. Sci. 99: 2061–2067.

260) Ajuwon, K.; V. Sommerfeld, V. Paul, M. Däuber, M. Schollenberger, I. Kuehn, O. Adeola, M. Rodehutscord. 2020. Phytase dosing affects phytate degradation and Muc2 transporter gene expression in broiler starter. Poult. Sci. 99: 891–991.

259) Lu, H., Hui Yan, H.M. Massey O'Neill, C. Bradley, M.R. Bedford, P. Wilcock, C.H. Nakatsu, O. Adeola, and K.M. Ajuwon. 2020. Effect of timing of postweaning xylanase supplementation on growth performance, nutrient digestibility, and fecal microbial composition in weanling pigs. Can. J. Anim. Sci. 100: 27-36,

https://doi.org/10.1139/cjas-2019-0021

258) Osho. S. O. W.W. Xiao, and O. Adeola. 2019. Response of broiler chickens to dietary soybean bioactive peptide and coccidia challenge. Poult. Sci. 98: 5669–5678.

257) Babatunde, O. O., A. Cowieson, J.W. Wilson and O. Adeola. 2019. The impact of age and feeding length on phytase efficacy during the starter phase of broiler chickens. Poult. Sci. 98: 6742-6750. https://doi.org/10.3382/ps/pez390

256) Zhong, R., and O. Adeola. 2019. Energy values of solvent-extracted canola meal and expeller-derived canola meal for broiler chickens and growing pigs determined using the regression method. J. Anim. Sci. 97: 3415–3425.

255) Babatunde, O. O., A. Cowieson, J.W. Wilson and O. Adeola. 2019. Influence of age and duration of feeding low-phosphorus diet on phytase efficacy in broiler chickens during the starter phase. Poult. Sci. 98: 2588-2597. http://dx.doi.org/10.3382/ps/pez014

254) Lu, H; I. Kühn; M. R. Bedford; H. Whitfield; C. Brearley; O. Adeola and K. M Ajuwon. 2019. Effect of phytase on intestinal phytate breakdown, plasma inositol concentrations, and glucose transporter type 4 abundance in muscle membranes of weanling pigs J. Anim. Sci. 97: 3907-3919

253) Park, C. S., D. Ragland, A. Helmbrecht, J.K. Htoo, and O. Adeola. 2019. Digestibility of amino acid in full-fat canola seeds, canola meal, and canola expellers fed to broiler chickens and pigs. J. Anim. Sci. 97: 803–812, https://doi.org/10.1093/jas/sky470

252) Lu, H. P. Wilcock, O. Adeola, and K.M. Ajuwon. 2019. Effect of live yeast supplementation to gestating sows and nursery piglets on postweaning growth performance and nutrient digestibility. J. Anim. Sci. 97: 2534-2540.

251) Wang, T., M.R. Bedford, and O. Adeola. 2019. Investigation of xylanase, diet formulation method for energy, and choice of digestibility index marker on nutrient and energy utilization for broiler chickens and pigs. J. Anim. Sci. 97: 279–290

250) Osho. S. O. and O. Adeola. 2019. Response of broiler chickens to dietary soybean bioactive peptide and coccidia challenge. Br. Poult. Sci. 60: 766–776,

248) Lu, H. A.J. Cowieson, J.W. Wilson, K.M. Ajuwon, and O. Adeola. 2019. Extra-phosphoric effects of super dosing phytase on growth performance of pigs is not solely due to release of myo-inositol. J. Anim. Sci. 97: 3898-3906.

247) Park, C. S., D. Ragland, A. Helmbrecht, J.K. Htoo, and O. Adeola. 2019. Amino acid digestibility of corn distillers' dried grains with solubles with the addition of casein in pigs. J. Anim. Sci. 97: 803–812, https://doi.org/10.1093/jas/sky470

246) Osho. S. O., O. O. Babatunde, and O. Adeola. 2019. Additivity of apparent and standardized ileal digestibility of amino acids in wheat, canola meal, and sorghum distillers dried grains with solubles in mixed diets fed to broiler chickens. Poult. Sci. 97: 1333–1340, https://doi.org/10.3382/ps/pey457

246) Osho. S. O., O. O. Babatunde, and O. Adeola. 2019. Additivity of apparent and standardized ileal digestibility of amino acids in wheat, canola meal, and sorghum distillers dried grains with solubles in mixed diets fed to broiler chickens. Poult. Sci. 97: 1333–1340, https://doi.org/10.3382/ps/pey457

245) Adeola, O., M.N. Anwar, M.R. Abdollahi, V. Ravindran.. 2018. Age-related energy values of meat and bone meal for broiler chickens. Poult. Sci. 97:2516-2524.

244) Wang, T. and O. Adeola. 2018. Digestibility index marker type, but not inclusion level affects

apparent digestibility of energy and nitrogen and marker recovery in growing pigs regardless of added oat bran. J. Anim. Sci. 96: 2817–2825, https://doi.org/10.1093/jas/sky153

243) Park, C. S., D. Ragland, and O. Adeola. 2018. Amino acid digestibility of corn distillers' dried grains with solubles with the addition of casein in pigs. J. Anim. Sci. 96: 4674–4684, https://doi.org/10.1093/jas/sky309

242) Wang, T., M.R. Bedford, and O. Adeola. 2018. Investigation of xylanase, diet formulation method for energy, and choice of digestibility index marker on nutrient and energy utilization for broiler chickens and pigs. J. Anim. Sci. 96: 279–290, https://doi.org/10.1093/jas/sky396

241) Zhang, F. and O. Adeola. 2018. True ileal digestibility of calcium in limestone and dicalcium phosphate are additive in diets of broiler chickens. Poult. Sci. 97:4290-4296.

240) Wang, T., S. O. Osho, and O. Adeola. 2018. Additivity of apparent and standardized ileal digestibility of amino acid determined by chromic oxide and titanium dioxide in mixed diets containing wheat and multiple protein sources fed to growing pigs. J. Anim. Sci. 96: 4731-4742. https://doi.org/10.1093/jas/sky326

239) Lu, H., H. Yan, M.G. Ward, T. Stewart, O. Adeola, and K.M. Ajuwon. 2018. Effect on Rendement Napole genotype on metabolic markers in Ossabaw pigs fed different levels of fat. J. Anim. Physiol. Anim. Nutr. 102 (1), e132-e138.

238) Adeola, O. 2018. Phytase in starter and grower diets of White Pekin ducks. Poult. Sci. 97:592-598.

237) Hancock, S., F. Zhang, and O. Adeola. 2018. Regression method-derived energy value of dried egg albumen for broiler chickens. Poult. Sci. 97:1677-1680.

236) Pekel, AY., SA Adedokun, O Adeola. 2018. True phosphorus digestibility of camelina meal in broiler chickens. Canadian J. Anim. Sci. 98: 194-203. ps://doi.org/10.1139/cjas-2017-0075

235) Horn, N. L., G. Miller, K. M. Ajuwon, and O. Adeola. 2017. Garlic diallyl disulfide and diallyl trisulfide mitigates effects of pro-oxidant induced cellular stress and has immune modulatory function in LPS-stimulated porcine epithelial cells J. Anim. Sci. 95: 4045–4051. https://doi.org/10.2527/jas.2017.1546.

234) Zhang, F. and O. Adeola. 2017. True is more additive than apparent total tract digestibility of calcium in limestone and dicalcium phosphate for twenty-kilogram pigs fed semipurified diets J. Anim. Sci. 95: 5466–5473. https://doi.org/10.2527/jas2017.1849.

233) Xue, P. C. D. Ragland, and O. Adeola. 2017. Influence of dietary crude protein and phosphorus on ileal digestion of phosphorus and amino acids in growing pigs. J. Anim. Sci. 95: 2071–2079. https://doi.org/10.2527/jas.2016.1293.

232) Horn, N. L. G. Miller, K. M. Ajuwon, and O. Adeola. 2017. Ability of garlic-derived diallyl disulfide and diallyl trisulfide supplemented by oral gavage to mitigate effects of an acute postweaning feed and water deprivation event in nursery pigs J. Anim. Sci. 95: 3579–3590. https://doi.org/10.2527/jas.2017.1545.

231) Park, CS A Helmbrecht, JK Htoo, O Adeola. 2017. Comparison of amino acid digestibility in full-fat soybean, two soybean meals, and peanut flour between broiler chickens and growing pigs. J. Anim. Sci. 95:3110-3119.

230) Zhang, F. and O. Adeola. 2017. Techniques for evaluating digestibility of energy, amino acids, phosphorus, and calcium in feed ingredients for pigs. Animal Nutrition 3:344-352. http://dx.doi.org/10.1016/j.aninu.2017.06.008

229) Rodehutscord, M . O. Adeola, R. Angel, P. Bikker, E. Delezie, W.A. Dozier, M. Umar Faruk, M. Francesch, C. Kwakernaak, A. Narcy, C.M. Nyachoti, O.A. Olukosi, A. Preynat, B. Renouf, A. Saiz del Barrio, K.

Schedle, W. Siegert, S. Steenfeldt, M.M. van Krimpen, S.M. Waititu, and M. Witzig. 2017. Results of an international phosphorus digestibility ring test with broiler chickens. Poult. Sci. 96: 1679-1687. https://doi.org/10.3382/ps/ pew426

228) Cowieson, AJ., FF Roos, JP Ruckebusch, JW Wilson, P Guggenbuhl, H Lu, K. M. Ajuwon and O. Adeola. 2017. Time-series responses of swine plasma metabolites to ingestion of diets containing myo-inositol or phytase. Brit. J. Nutr. 118: 897-905.

223) Zhang, F. and O. Adeola. 2017. Energy values of canola meal, cottonseed meal, bakery meal, and peanut flour meal for broiler chickens determined using the regression method. Poultry Sci. 96: 397-404. https://doi.org/10.3382/ps/pew239.

227) McCormick, K., CL Walk, CL Wyatt, and O Adeola. 2017. Phosphorus utilization response of pigs and broiler chickens to diets supplemented with antimicrobials and phytase. Animal Nutrition 3:77-84.

227) McCormick, K., CL Walk, CL Wyatt, and O Adeola. 2017. Phosphorus utilization response of pigs and broiler chickens to diets supplemented with antimicrobials and phytase. Animal Nutrition 3:77-84.

226) Wang, T., D Ragland, O Adeola. 2017. Combination of digestibility marker and fiber affect energy and nitrogen digestibility in growing pigs. Anim. Feed Sci. Technol. 230:23-29.

225) Wang, T. and O. Adeola.2017. The combination of dietary fiber and time period affect ileal digestibility marker concentration in growing pigs. Anim. Feed Sci. Technol. 231:160-163.

224) Ajuwon, K., H. Lu, H. Yan, M. Ward, T. Stewart, and O. Adeola. 2017. Effect of Rendement Napole (RN) genotype on metabolic markers in Ossabaw pigs fed different levels of fat. J. Anim. Physiol. Anim. Nutr. Article DOI: 10.1111/jpn.12720

223) Zhang, F. and O. Adeola. 2017. Energy values of canola meal, cottonseed meal, bakery meal, and peanut flour meal for broiler chickens determined using the regression method. Poult. Sci. 96: 397-404. https://doi.org/10.3382/ps/pew239.

222) Adedokun, S.A., and O. Adeola. 2017 The response in jejunal and ileal nutrient and energy digestibility and the expression of markers of intestinal inflammation in broiler chickens to coccidial vaccine challenge and phytase supplementation. Can. J. Anim. Sci. 97(2): 258-267

221) Ravindran, V. , O. Adeola, M. Rodehutscord, H. Kluth, J.D. van der Klis, E. van Eerden, and A. Helmbrecht. 2017. Determination of ileal digestibility of amino acids in raw materials for broiler chickens – Results of collaborative studies and assay recommendations. Anim. Feed Sci. Technol. 225:62-72.

220) Osho, S.O., T. Wang, N.L. Horn, and O. Adeola. 2017. Comparison of goblet cell staining methods in jejunal mucosa of turkey poults. Poult. Sci. 96: 96:556–559. http://dx.doi.org/10.3382/ps/pew324.

219) Cowieson, A.J., H. Lu, K.M. Ajuwon, I. Knap, and O. Adeola. 2017. Interactive effects of dietary protein source and exogenous protease on growth performance, immune competence and jejunal health of broiler chickens. Animal Production Science 57:252-261.

218) Pekel, A.Y., N.L. Horn, and O. Adeola. 2017. The efficacy of dietary xylanase and phytase in broiler chickens fed expeller-extracted camelina meal. Poult. Sci. 96: 98-107. http://dx.doi.org /10.3382/

217) Xue, P. C. K. M. Ajuwon, and O. Adeola. 2016. Phosphorus and nitrogen utilization responses of broiler chickens to dietary crude protein and phosphorus levels. Poultry Sci. 95: 2615–2623. http://dx.doi.org/10.3382/ps/pew1566.

216) Horn, N. L. F. Ruch, G. Miller, K. M. Ajuwon, and O. Adeola. 2016. Determination of the adequate dose of garlic diallyl disulfide and diallyl trisulfide for effecting changes in growth performance, total-tract

nutrient and energy digestibility, ileal characteristics, and serum immune parameters in broiler chickens Poultry Sci. 95: 2360–2365. http://dx.doi.org/10.3382/ps/pew126.

215) Pereira, L. F. P. and O Adeola. 2016. Energy and phosphorus values of sunflower meal and rice bran for broiler chickens using the regression method. Poultry Sci. 95:2081–2089. http://dx.doi.org/10.3382/ps/pew0899.

212) Lee, S.A., C. Kong, O. Adeola, and B.G. Kim. 2016. Different Coefficients and Exponents for Metabolic Body Weight in a Model to Estimate Individual Feed Intake for Growing-finishing Pigs. *Asian-Australasian J. Anim. Sci.* 29 : 1756-1760.

211) Lu, H., H. Yan, V.V. Almeida, O Adeola, and K.M. Ajuwon. 2016. Effects of dietary resistant starch content on nutrient and energy digestibility and fecal metabolomic profile in growing pigs. *J. Anim. Sci.* 94 (Suppl. 3): 364-368

210) Adeola, O. and D. Ragland. 2016. Comparative ileal amino acid digestibility of distillers' grains for growing pigs. *Animal Nutrition* 2: 262-266.

209) Horn, N.L., F. Ruch, G. Miller, K.M. Ajuwon, and O. Adeola. 2016. Expression of cytokine and tight junction genes and ileal mucosal morphology in nursery pigs in response to garlic diallyl disulfide and diallyl trisulfide compounds. *J. Anim. Sci.* 94 (Suppl. 3): 40-44.

208) Zhang, F., D. Ragland, and O. Adeola. 2016. Comparison of apparent ileal and total tract digestibility of calcium in calcium sources for pigs. *Can. J. Anim. Sci.* 96:563-569.

207) Adeola, O., P.C. Xue, A.J. Cowieson, and K.M. Ajuwon. 2016. Basal endogenous losses of amino acids in protein nutrition research for swine and poultry. *Animal Feed Science and Technology* 221:274-283.

206) Stefanello, C. S.L. Vieira, P. Xue, K.M. Ajuwon, and O. Adeola 2016. Age-related energy values of bakery meal for broiler chickens determined using the regression method *Poultry Sci.* 95: 1582-1590 http://dx.doi.org/10.3382/ps/pew046pew046

205) Horn, N.L., F. Ruch, G. Miller, K.M. Ajuwon, and O. Adeola. 2016. Impact of acute feed and water deprivation at weaning and subsequent heat stress on growth performance and ileal morphology in nursery pigs. *J. Anim. Sci.* 94 (Suppl. 3): 289-293

204) Yan, H., H. Lu, V.V. Almeida, M.G. Ward, O. Adeola, C.H. Nakatsu, and K.M. Ajuwon 2016. Effects of dietary resistant starch content on metabolic status, milk composition, and microbial profiling in lactating sows and on offspring performance. *J. Anim. Physiol. Anim. Nutr.* 101:190-200. DOI: 10.1111/jpn.12440

203) Cotten, B., D. Ragland, J.E. Thomson, and O Adeola. 2016. Amino acid digestibility of plant protein feed ingredients for growing pigs. *J. Anim. Sci.* 2016.94:1073–1082. doi:10.2527/jas2015-9662

202) Liu, J. and O Adeola. 2016. Casein supplementation does not affect the estimates of true total tract digestibility of phosphorus in soybean meal for growing pigs determined by the regression method. *Asian Australas. J. Anim. Sci.* 29:1625-1631.

201) Bolarinwa, O. A. and O. Adeola. 2016. Regression and direct methods do not give different estimates of digestible and metabolizable energy values of barley, sorghum, and wheat for pigs. *J. Anim. Sci.* 2016.94:610–618 doi:10.2527/jas2015-9766

200) Kong, C. and O. Adeola. 2016. Determination of ileal digestible and apparent metabolizable energy contents of expeller-extracted and solvent-extracted canola meals for broiler chickens by the regression method. SpringerPlus 5: 1-7. DOI: 10.1186/s40064-016-2325-z

# Olayiwola Adeola

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Swine Nutrition  Broiler Chicken Nutrition  Duck Nutrition

FOLLOW

| TITLE | CITED BY | YEAR |
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| Contribution of purified soybean trypsin inhibitor and exogenous protease to endogenous amino acid losses and mineral digestibility<br>AS Aderibigbe, AJ Cowieson, KM Ajuwon, O Adeola<br>Poultry Science 100 (12), 101486 | | 2021 |
| Evaluation of the responses of broiler chickens to varying concentrations of phytate phosphorus and phytase. II. Grower phase (day 12-23 post hatching)<br>OO Babatunde, A Bello, Y Dersjant-Li, O Adeola<br>Poultry Science, 101616 | | 2021 |
| A time-series effect of phytase supplementation on phosphorus utilization in growing and finishing pigs fed a low-phosphorus diet<br>OO Babatunde, O Adeola<br>Journal of Animal Science | | 2021 |

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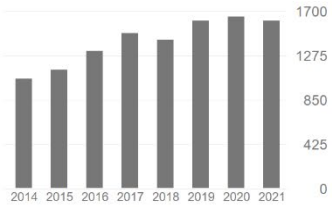


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