

Brief Biography:

Prof Oso, Abimbola Oladele had his undergraduate (B. Agric) and postgraduate (M, Agric and Ph.D) studies from the Department of Animal Nutrition, Federal University of Agriculture, Abeokuta, Nigeria from the field of Monogastric Animal Nutrition. Driven with a goal to resolve nutritional felt problems that compromise sustainable production of animals as safe food for enhanced health and well-being of growing human population, his research interests over the years has been hinged upon the following five (5) thematic areas: Nutritional evaluation of alternative feeds and feedstuffs for improved poultry and swine production, gut modification strategies geared towards improved growth, well being and reduced odour in poultry production, the use of phytogetic plants as replacement for in-feed antibiotic growth promoters, employing various nutritional strategies to ameliorate the effect of feed contaminants in monogastric animal nutrition and effect of dietary manipulations on nutrition-related gene expression.

He is a member of several Professional bodies and has held several administrative positions having served as Head of Department of Animal Nutrition and two terms deputy Dean (Sub-Dean) of the College of Animal Science and Livestock Production. He has been involved in teaching, research and mentoring of students from both undergraduate and graduate students for the past 17 years. He has a significant record of scientific publications based on the various findings generated from his research and collaborated positively with both locally and international scientists in an interdisciplinary, diverse, and multicultural environment.



Passport size photo:

Personal information:

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|-----------------------|---|
| i. Name: | Oso, Abimbola Oladele |
| ii. Date of birth: | 1 st February, 1972 |
| iii. State of origin: | Ogun State |
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| ix. Present post : | Professor |

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Qualification:

	Degree Obtained	Institution	Date
I	Ph.D (Monogastric Animal Nutrition)	Federal University of Agriculture, Abeokuta, Nigeria	2007
Ii	Masters of Agriculture (Monogastric Animal Nutrition)	Federal University of Agriculture, Abeokuta, Nigeria	2001
Iii	Bachelor of Agriculture. (Animal Science)	Federal University of Agriculture, Abeokuta, Nigeria	1997

Membership of Professional Bodies:

- (i) Member- Animal Science Association of Nigeria (ASAN).
- (ii) Member- World Poultry Science Association, Nigerian Branch (WPSA-NB).
- (iii) Member- Nigerian Society for Animal Production (M-NSAP)
- (iv) Registered Member- Nigerian Institute of Animal Science (RAS 702)

Award Received:

Honours

- Best academic student in the College of Animal Science and Livestock Production, FUNAAB 1991-1994
- Best graduating student in the College of Animal Science and Livestock Production, FUNAAB 1995/1996
- Federal University of Agriculture Postgraduate School (PGS) Scholarship 2001
- Best Paper Award at the 7th Pan Common wealth Veterinary Conference, March, 2019, ICAR-NIANP, Bangalore, India 2019
http://nianp.res.in/static/docs/Newsletter_Jan-Jun_2019.pdf
- CVF Circle Mentor, Climatic Impact Research Capacity Leadership Enhancement (Circle), African Academy of Science, Nairobi, Kenya 2017

Fellowships

- **Visiting Scientist-** Institute of Subtropical Agriculture, Chinese Academy of Sciences, Mapoling, Changsha, Hunan Province, P.R. China. March-September, 2014
- **Prestigious CV Raman Fellowship for Senior Visiting Scholar-** Tenable at the National Institute of Animal Nutrition and Animal Physiology (NIANP-ICAR), Bengaluru, India. December, 2017- March 2018
<http://www.indoafrica-cvrf.in/img/Result-Awarded-2016.pdf>

GRANTS ATTRACTED

- Formulation of vitamins and trace minerals premix for poultry from novel and safe raw materials using contemporary innovative technologies. Nigerian Tertiary Education Trust Fund Grant. (Co-Investigator) 2013
- Uncovering the potentials of phytogenics as feed additives and its implications on poultry production dynamics. Nigerian Tertiary Education Trust Fund Grant, (Co-Investigator) 2013
- Chinese Academy of Sciences Grant (Grant Nos. 2014FFZA0012), ISA, Chinese Academy of Sciences (CAS), Changsha, Hunan Province, China. (Principal Investigator) 2014
- Application of innovative technologies in the nutritional enrichment of cassava products (cassava root and leaf) as maize equivalents in pig nutrition. Nigerian Tertiary Education Trust Fund Grant. (Principal Investigator) 2016.
- Prestigious C.V. Raman Fellowship grant (Grant Nos. CV RAMAN 2017-53) on the use of phytogenic feed additives as potential replacement for in-feed antibiotics in the nutrition of broiler chickens. Bengaluru, India. (Principal Investigator) 2018
- Application of phytogenic feed additives as innovative technologies in the nutrition of meat type and egg type chickens. NRF- Nigerian Tertiary Education Trust Fund Grant. 2020. (Co-Investigator)
- In-ovo feeding of exogenous aromatase and aromatase inhibitor for sex reversal egg-type chickens. (TETFund_NRF_SETI_AFS_00302). TETFUND Grant 2021. (Co-Investigator)

Research Conducted:

- Nutritional evaluation of feeds, feedstuffs and improvement of erstwhile denigrated feedstuffs (such as cassava products, pigeon pea, castor oil seed, sunflower meal, rice bran, sorghum milling waste etc) for improved poultry and swine production,
- Employing various dietary manipulations towards improved gut health and growth performance of turkeys and broilers

- The use of phyto-genic plants (such as ginger, garlic, black pepper, clove, alligator pepper, Neem leaf etc) as alternative for in-feed antibiotic growth promoters in poultry production,
- The use of dietary Cu (organic and inorganic), niacin, L-Arginine and n-3:n-6 PUFA ratio in improving meat quality of poultry birds and pigs
- Combating mycotoxin and contaminants in feeds for turkeys and broilers via the use of nano clay

Publications:

(A) Published Articles in Learned Journals

1. Bamgbose, A. M., Awosanya, O. O., Ojo, O. T. and **Oso, A. O.** (2005). Performance of broiler fed enzyme-supplement Tiger nut (*Cyperus rotundus* L) meal diets. *Ghana Journal of Agricultural Sciences* 38: 89-93. www.ajol.info/index.php/gjas/article/view/10949
2. O. M. O. Idowu, O. A. Idowu, **Oso, A. O.**, A. O. Fafiolu, R. Sule, A. Sorongbe and D. Eruvbetine. 2006. Performance and egg quality of laying hens fed cassava root waste. *Nigerian Poultry Science Journal* 4:48-55.
3. **Oso, A. O.**, Bamgbose, A.M., Isah, O.A., Olatunji, J.E.N., Mabadeje, A.T., Alade, A.A., and Oni, A.O. (2006). Performance of weaner rabbits fed rice milling waste-based diet. *Journal of Animal and Veterinary Advances*. 5, 836-838. <http://www.medwellonline.net>
4. Fafiolu A. O., Oduguwa, O.O., Bamgbose, A.M., **Oso, A. O.**, Isah, O.A., Olatunji, J.E.N and Jegede, A.V (2006). Feeding value of Mango (*Mangifera indica*) leaf for growing rabbits. *Journal of Animal and Veterinary Advances*. 5, 800-804. <http://www.medwellonline.net>
5. Olayemi, W.A., **Oso, A. O.**, A. M. Bamgbose, O.O. Oduguwa and S.A. Onadeko (2006). Response of Weaner Rabbits in Xylanase Enzyme Supplemented Maize Milling Waste based diets. *Journal of Animal and Veterinary Advances*. 5, 839-843. <http://www.medwellonline.net>
6. K.O Yusuf, A.M. Bamgbose, **Oso, A. O.**, A.O. Fafiolu and A.O.Oni (2008) Nutritional evaluation of Baobab (*Andersonia digitata*) seed meal with rats. *ASSETS* 8(2): 226-231. NIGERIA. www.unaab.edu.ng/journal/index.php/SeriesA/article/download89/90
7. R. A. Sobayo, E. B. Oguntona, O. A. Osinowo, D. Eruvbetine, A. M. Bamgbose, O. A. Adeyemi, A.A Taiwo, Olupona,A., **Oso, A. O.** and J.M. Usman. 2008. Effect of ascorbic acid supplementation on the performance of growing pullets reared at different seasons. *Nigerian Journal of Animal Production*. 35(2):186-194. <http://www.ajol.info/index.php/njap>.
8. R. A. Sobayo, E. B. Oguntona, O. A. Adeyemi, O. A. Fafiolu, **Oso, A. O.**, A.O. Osinowo, D. Eruvbetine and A. M. Bamgbose. 2008. Effect of ascorbic acid supplementation on the

performance, cost benefit, egg quality and haematological profile of laying birds in a humid environment. *Nigerian Poultry Science Journal* 5(2): 52-60.

9. A.O. Lala, **Oso, A. O.**, A.M. Bamgbose, D. Eruvbetine and Martha Bemji (2009) Utilization of instant noodle wastes in diets of cockerel chicken. *Nigerian Poultry Science Journal*. 6, 36-43.
10. A.V. Jegede, **A.O. Oso, A. O.**, Bamgbose and A.O. Abioye (2009) Utilization of Fermented Pigeon pea (*Cajanus cajan*) meal in diets for broiler chicken. *Nigerian Poultry Science Journal*. 6: 17 - 23.
11. **Oso, A. O.**, R. Faboro, O. Isah, A. O. Oni, A. M. Bamgbose, P. Dele (2010). Potential of Bread Fruit (*Artocarpus Altilis*) An Ecologically Forest Based Feed Resource In Rabbit Nutrition. *Tropical and Sub tropical Agroecosystems*. 12: 99-108. www.redalyc.org/pdf/939/93913074010.pdf
12. A.V, Jegede, Fafiolu, A.O., **Oso, A. O.**, Sodeinde, D.O, Odewale, T.O and Oduguwa, O.O. 2010. Comparative effect of organic and inorganic copper supplemented diets on performance and blood characteristics of growing rabbits. *Nigerian Journal of Animal Production*. 37(2):190-198. <http://www.ajol.info/index.php/njap>.
13. Fafiolu, A.O., A.V. Jegede, **Oso, A. O.**, R.A. Sobayo, and O.M.O. Idowu. 2010. Utilization of enzyme supplemented wheat offal– rice bran based on performance characteristics and serum biochemistry by meat-type chicken. *Nigerian Journal of Animal Production*. 37(2):199-206. <http://www.ajol.info/index.php/njap>.
14. **Oso, A. O.**, A. Olusoga Oso, A. M. Bamgbose and D. Eruvbetine (2010) Utilization of unpeeled cassava (*manihot esculenta*) root meal in diets of weaner rabbits. *Livestock Science* 127: 192-196. [http://www.journals.elsevierhealth.com/periodicals/livsci/article/S1871-1413\(09\)00323-0](http://www.journals.elsevierhealth.com/periodicals/livsci/article/S1871-1413(09)00323-0)
15. O. M. O. Idowu, D. Eruvbetine, **Oso, A. O.**, A. V. Jegede and Fafiolu, A. O 2010. Plasma and liver cholesterol status of laying hens fed unpeeled cassava root meal based diets. *Nigerian Poultry Science Journal* 7:66-74.
16. **Oso, A. O.**, A. A. Idowu and O. T. Niameh. 2010. Growth response, nutrient and mineral retention, bone mineralisation and walking ability of broiler chickens fed with dietary inclusion of various unconventional mineral sources. *Journal of Animal Nutrition and Animal Physiology*. 95 (4): 461-467. <http://onlinelibrary.wiley.com/doi/10.1111/j.1439-0396.2010.01073.x/pdf>
17. **Oso, A. O.**, Olayemi, W. A., A.M. Bamgbose and Fowoyo, O. F (2011) Utilization of fermented castor oil seed (*ricinus communis, l*) meal in diets for cockerel chicks. *Archivos de Zootechnica*. 60 (229): 75-82. **SPAIN**. www.uco.es/organiza/servicios/publica/az/.../az.php?
18. **Oso, A. O.**, R. A. Sobayo, A. V. Jegede, A. O. Fafiolu, O. S. Iyasere, P. Dele, A.M. Bamgbose and A. Cecilia. 2011. Effect of dietary inclusion of sorghum milling waste on

growth response, nutrient utilisation, gut characteristics and cecal microflora of weaner rabbits. *Animal Science Journal (Japan)*. 82: 468-474

<http://www.wiley.com/whalecom0doi/10.1111/j.1740-929.2010.00848.x/pdf>.

19. O. M. O. Idowu, R.O. Ajuwon, **Oso, A. O** and Akinloye, O.A. 2011. Effect of Zinc supplementation on laying performance, serum chemistry and Zn residue in tibia bone, liver, excreta and egg shell of laying hens. *International Journal of Poultry Science*. 10 (3): 225-230. <http://www.pjbs.org/pjnonline/fin2060.pdf>
20. O.M.O. Idowu, O.R. Ajuwon, A.O. Fafiolu, **Oso, A. O** and O.A Akinloye. (2011) Modulation of Cholesterol and Copper Residue Levels in Muscles and Blood Serum of Finishing Broiler Chickens Fed Copper and Ascorbic Acid Supplements. *Pakistan Journal of Nutrition* 10 (8): 781-785. <http://www.pjbs.org/pjnonline/back.htm>.
21. Sanwo, K.A, Iposu, S.O, **Oso, A. O**, A.O. Fanimu and S.S. Abiola. 2011. Growth performance, nutrient intake and digestibility of goats fed melon husk and palm oil slurry at 30% inclusion level. *Nigerian Journal of Animal Production* 38(2):148-154. <http://www.ajol.info/index.php/njap>.
22. **Oso, A. O**, Fafiolu A.O, Sobayo R. A. and Hameed Z. 2011. Growth response, carcass yield and serum biochemistry of broiler chickens fed with supplemental L-carnitine in feed or drinking water. *Journal of Poultry Science (Japan)* 48: 223-228. http://www.jstage.jst.go.jp/browse/jpsa/48/4/_contents/-char/ja/
23. A.O. Lala, **Oso, A. O**, A.O. Fafiolu, A.M. Bamgbose, D. Eruvbetine and Martha Bemji (2011) The effect of instant noddles wastes in diets for broiler chickens. *Nigerian Journal of Animal Production* 38(2): 97-106. <http://www.ajol.info/index.php/njap>.
24. **Oso, A. O**, R.A. Sobayo, A.O. Fafiolu, A.V. Jegede, O.M.O. Idowu, O.A. Lala, W.A. Olayemi, S.O. Osho, A. M. Bamgbose. 2011. Growth, apparent nutrient digestibility and blood parameters of turkeys fed diets containing wheat or sorghum as sole cereal source. *Nigerian Poultry Science Journal* 8:43-50.
25. A.V. Jegede., O.O. Oduguwa, **Oso, A. O**, A.O. Fafiolu, O.M.O. Idowu, L. Nollet. 2012. Growth performance, blood characteristics and plasma lipids of growing pullet fed dietary concentrations of organic and inorganic copper sources. *Livestock Science* 145: 298-302. www.sciencedirect.com/science/journal/18711413?oldURL=y
26. **Oso, A. O**, O. M. O Idowu., A. V. Jegede., W.A. Olayemi., O. A. Lala and A. M. Bamgbose., 2012. Effect of dietary inclusion of fermented pigeon pea (*Cajanus cajan*) meal on growth, apparent nutrient digestibility and blood parameters of cockerel chicks. *Tropical Animal Health and Production* 44: 1581-1586. <http://www.springer.com/home?SGWID=0-0-1003-0-0&aqId=2260591&download=1&checkval=067806c8d7f6ff40d2c2397446835745>
27. Ogunade, I.M, Eruvbetine, D., Oyekunle, A.O, Fafiolu, A.O., Olorunsola, A.R., **Oso, A. O**, Sobayo, R.A., Falola, A.C., Osho, S.O., Omoniyi, I.A., Osofowora, A.O.,

- Sogunle, O.M. 2012. Control of salmonella organisms in laying hens through the use of feed additives. *Nigerian Poultry Science Journal* 9:166-171.
28. Ogunsola, O.M., Bamgbose, A.M., **Oso, A. O.**, Sogunle, O.M. 2012. Utilisation of discarded egg shell as mineral source in diets for broiler chickens. *Nigerian Poultry Science Journal* 9:179-185.
 29. A.O. Fafiolu, O.O. Oduguwa, O.M.O Idowu, A.V. Jegede, **Oso, A. O.** and Oduguwa, B.A. 2012. Effect of in vitro multi-enzyme treatment of fibre content on un-decorticated sunflower seed meal. *Bulletin of Animal Health and Production in Africa*. 60: 491-499. <http://www.ajol.info/index.php/bahpa/issue/current>
 30. R. A. Sobayo, **Oso, A. O.**, O. A. Adeyemi, A. O. Fafiolu, A. V. Jegede, O. M. O. Idowu, O. U. Dairo, R. B. Iyerimah, O. A. Ayoola and R. A. Awosanya. 2012. Changes in growth, digestibility and gut anatomy by broilers fed diets containing ethanol-treated castor oil seed (*Ricinus communis*, L.) meal. *Revista Científica UDO Agrícola* 12 (3), 660- 667. <http://udoagricola.udo.edu.ve/V12N3UDOAgr/V12N3Sobayo660.pdf>
 31. R. A. Sobayo., O. A. Adeyemi., O. G. Sodipe., **Oso, A. O.**, A. O. Fafiolu., I. M. Ogunade., O. S. Iyasere and L.A. Omoniyi. 2012. Growth response of broiler birds fed *Asystasia gangetica* leaf meal in hot humid environment. *International Journal of Agricultural Sciences and Environment* 12 (1), 53-59
 32. A.O. Fafiolu, **Oso, A. O.**, O.M.O Idowu, A.V. Jegede, R.A. Sobayo and O.O. Oduguwa. 2013. Effect of dietary L-carnitine supplementation of diets containing cashew nut reject meal by broiler chickens. *Nigerian Journal of Animal Production* 40(1): 67-72. <http://www.ajol.info/index.php/njap>.
 33. R. A. Sobayo, O. A. Adeyemi, **A. O. Oso, A. O.**, Fafiolu, J.O. Daramola, O.G. Sodipe, I.M. Ogunade and O.M. Odetola. 2013. Haematological, serum and carcass characteristics of broilers fed graded levels of *Garcinia kola* (bitter kola) used as phytobiotics. *Nigerian Journal of Animal Production* 40(1): 57-66. <http://www.ajol.info/index.php/njap>.
 34. R.A. Sobayo., **A. O. Oso, A. O.**, Adeyemi., O.G. Sodipe, A.O. Fafiolu, Odetola, O.M and I.M. Ogunade. 2013. Growth response and nutrient digestibility of broiler chicken fed graded levels of phytobiotics (*Garcinia kola*; Bitter kola). *Journal of Applied Agricultural Research* 5(1), 91-99.
 35. Ogungbenro, S.D., M.O. Raji., A.M. Bamgbose., **Oso, A. O.** and O.M. Sogunle. 2013. Effect of Replacement of Cashew Nut Meal-Maize Offal with Maize on the Performance of Turkey Poults. *International Journal of Agriculture and Biosciences* 2 (4), 164-167.
 36. **Oso, A. O.**, A.W. Awe, F.G. Awosoga, F.A. Bello, T.A. Akinfenwa and E.B. Ogunremi 2013. Effect of dietary supplementation of dried ginger meal on growth performance, nutrient digestibility, serum metabolites, gut morphology and microflora of growing helmeted guinea fowl (*Numidia meleagris*). *Tropical Animal Health and Production* 45 (8), 1763-1769

37. **Oso, A. O.**, O.M.O Idowu, A. S. Haastrup, A. J. Ajibade, K.O. Olowonefa, A.O. Aluko, I.M. Ogunade, S.O. Osho, A.M. Bamgbose. 2013. Growth performance, apparent nutrient digestibility, caecal fermentation, ileal morphology and caecal microflora of growing rabbits fed diet containing probiotics and prebiotics. *Livestock Science* 157 (1), 184-190. <http://authors.elsevier.com/sd/article/S1871141313002801>.
38. **Oso, A. O.**, O. E. Oke, M.O. Abioja, J.A. Abiona, G.A. Agbodo, and T.O. Adebowale. 2013. Growth and physiological response of local turkeys (*Meleagris gallopavo*) offered dietary vitamin C. *Pacific Journal of Science and Technology*. 14(2), 441-447. http://www.akamaiuniversity.us/PJST14_2_441.pdf
39. S.O. Osho. **Oso, A. O.**, I.E. Akpan, T.A. Ayanniyi, A.O. Fafiolu, A.V. Jegede, O.A. Isah, R.A. Aderinboye, P. Dele, V.O.A. Ojo, I.M Ogunade, S.O. Durosaro, D.A. Ekunseitan, A.A. Ayoola and O.MO. Idowu 2013. Effect of varying NDF, ADF, digestible energy levels on growth performance, nutrient digestibility, caecal fermentation, caecal and faecal microflora of growing rabbits. *Global Journals of Science Frontier Research* 13(1): 5-13. **U.S.A.** [http://globaljournals.org/GJSFR_volume13/E_journal_GJSFR\(C\)_Vol13_Issue_1.pdf](http://globaljournals.org/GJSFR_volume13/E_journal_GJSFR(C)_Vol13_Issue_1.pdf)
40. S.O. Osho. **Oso, A. O.**, I.E. Akpan, T.A. Ayanniyi, A.O. Fafiolu, I.M Ogunade, S.O. Durosaro, O.M.O. Idowu, R.A. Sobayo and A.A. Adegbenjo 2013. Effect of fibre and digestible energy levels on retail cuts, gut characteristics and morphology of growing rabbits. *Nigerian Journals of Animal Production* 40: 80-89.
41. **Oso, A. O.** and A.M. Bamgbose. 2013. The amelioration of anti-nutritive effects of castor oil seed (*Ricinus communis*) meal in broilers' ration using natural fermentation and DL-Methionine supplementation. *Bulletin of Animal Health and Production in Africa*. 61 (3): 293-306 (**Kenya**). <http://www.ajol.info/index.php/bahpa/issue/view/11204>
42. S.O. Osho. **Oso, A. O.**, I.E. Akpan, T.A. Ayanniyi, I.M Ogunade, S.O. Durosaro, O.M.O. Idowu. 2013. Health status and blood parameters of weaner rabbits fed diet containing varying dietary fibre and digestible energy levels. *Journals of Biology, Agriculture and Health Care* 3 (19), 79-86. **USA.** <http://www.iiste.org/Journals/index.php/JBAH/article/viewFile/9788/9983>
43. **Oso, A. O.**, O. Akapo, K.A. Sanwo and A.M. Bamgbose. 2014. Utilization of unpeeled cassava (*Manihot esculenta* Crantz) root meal supplemented with or without charcoal by broiler chickens. *Journal of Animal Nutrition and Animal Physiology*. 98: 431-438. <http://www.ncbi.nlm.nih.gov/pubmed/23721067> .
44. **Oso, A. O.**, Sobayo, R.A, Sanwo, K.A, Lala, O.A, Olayemi, W.A, Peter, O.O, Bamgbose, A.M. 2014. Breast meat yield, muscle linear measurements and meat composition of turkeys fed diet containing wheat or sorghum as sole cereal source. *Nigerian Journal of Animal Production* 40, 30-38.
45. Sanda, A.J., Olowofeso, O., Adeleke, M.A., **Oso, A. O.**, S. O. Durosaro and M.O. Sanda. 2014. Comparative analysis of growth response and genetic parameter estimates of some

quantitative traits in three broiler strains in South-West Nigeria. *Nigerian Journals of Animal Production* 41 (2), 12-18.

46. **A. O. Oso, A. O.**, Fafiolu, R.A. Sobayo, A.V. Jegede and O.M.O. Idowu. 2014. Effect of L-Carnitine inclusion and mode of application on organ and tissue lipoprotein of broiler chickens fed high energy diet under tropical condition. *Nigerian Poultry Science Journal* 11: 46-53.
47. Obadire, F.O., **Oso, A. O.**, Osofowora, A.O., Oduguwa, O.O., Adeyemi, A.O., Jegede, A.V and Olorunsola, R.A. 2014. Blood chemistry and carcass characteristics of growing turkeys fed diet containing malted sorghum sprout supplemented enzyme and yeast. *Nigerian Poultry Science Journal* 11: 88-97.
48. R. A. Sobayo, **Oso, A. O.**, O. A. Adeyemi, A.V. Jegede, A.O. Fafiolu, O.O. Sogunle and O.U. Dairo. 2014. Carcass yield and blood parameters of broiler chicken fed diets containing ethanol-treated castor oil seed (*Ricinus communis*, L) meal. *Nigerian Poultry Science Journal* 11: 124-128.
49. Salami, S.A., Oduguwa, A.O., **Oso, A. O.**, Sogunle, O.M., Fafiolu, A.O., Adeleye, O.O and Bello, F.A. 2014. Utilisation of commercial chelated trace mineral blend (Poultry TMO) as replacement for inorganic salts in diets of meat-type turkeys. *Nigerian Poultry Science Journal* 11: 188-194.
50. **Oso, A. O.**, A.O. Fafiolu, M.A. Adeleke, O.A. Ladokun, R.A. Sobayo, A. V. Jegede, O.A, S.O. Peters, O.A. Oyebamiji and J. Akinsola. 2014 Effect of dosage and mode of application of L- carnitine on plasma lipid profile, egg cholesterol, hatchability and post-hatch performance of Nigerian indigenous turkeys (*Meleagris gallopavo*). *Journal of Animal Nutrition and Animal Physiology* 98, 766-774. <http://onlinelibrary.wiley.com/doi/10.1111/jpn.12134/abstract>
51. **Oso, A. O.**, G.A. Williams, A.V. Jegede, R.A. Sobayo, A.O. Fafiolu, O.M.O. Idowu, M. O. Sogunle, O.S. Akinola, O.O. Adeleye, I A.R. Olorunsola, I.M. Ogunade, S.O. Osho, F.O. Obadire, A.M Bamgbose. 2014. Interactive effect of whole millet feeding and mannan oligosaccharides supplementation on growth performance, serum biochemistry and organ weights of helmeted guinea fowl (*Numidia meleagris*). *Livestock Science* 159, 46-52. <http://dx.doi.org/10.1016/j.livsci.2013.10.020>
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