

CURRICULUM VITAE

Dr O.A. Olorunnisomo

BSc (Crop Science); MSc, PhD (Animal Science)



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- I.**
- (a) **Name:** Olusola Adeyanju, **Olorunnisomo**
 - (b) **Date of Birth:** 25 August, 1970
 - (c) **Address:** Department of Animal Science, Faculty of Agriculture and Forestry, University of Ibadan, Ibadan, Nigeria
 - (d) **Telephone:** +234 8038074212
 - (e) **Email address:** sholanisomo@yahoo.com
 - (f) **Present Position:** Senior Lecturer
 - (g) **Area of Specialization:** Ruminant Production and Dairy Science
- II. University Education (with dates):**
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|------------------------------|------------|
| University of Ibadan, Ibadan | 1987- 1992 |
| University of Ibadan, Ibadan | 1994- 1995 |
| University of Ibadan, Ibadan | 2001- 2007 |
- III. Academic Qualifications (with dates and granting bodies):**
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|-----------------------|------|------------------------------|
| B.Sc. Crop Science, | 1992 | University of Ibadan, Ibadan |
| M.Sc. Animal Science, | 1995 | University of Ibadan, Ibadan |
| Ph.D Animal Science, | 2007 | University of Ibadan, Ibadan |
- IV. Professional Qualifications and Diplomas (with dates):**
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|---------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Certificate in Dairy Technology: from rural to industrial level,
Ghent University, Belgium | August – October,
2002 |
| Certificate in Livestock: Advanced Dairy Technology and
Management, Galilee International Management Institute, Israel | May, 2012 |
- V. Scholarships, Fellowships, Distinctions:**
- a) Flemish Interuniversity Scholarship (VLIR), Belgium 2002
 - b) Grantee, International Foundation for Science (IFS), Sweden IFS- B/4101-1 (2006)
 - c) Grantee, Tertiary Education Trust Fund (TETFUND), Nigeria IBR Research Grant

- d) Award for Best Oral Presentation at the International Conference on Tropical Animal Science and Production (TASP 2016), Bangkok, Thailand (2015)
26-29 July, 2016,

VI. Honours, and Membership of Learned Societies:

- (a) Member, Nigerian Society for Animal Production (NSAP)
 (b) Member, Animal Science Association of Nigeria (ASAN)
 (c) Associate Member, Nigerian Institute of Animal Science (NIAS)
 (d) Member, Society for Grassland Research and Development in Nigeria (SOGREDEN)

VII. Details of Teaching Experience at University Level:

- (a) Assistant Lecturer, University of Ado-Ekiti, Nigeria 2001 - 2005
 (b) Lecturer II, University of Ado-Ekiti, Nigeria 2005 - 2008
 (c) Lecturer I, University of Ibadan, Nigeria 2008 - 2011
 (d) Senior Lecturer, University of Ibadan, Nigeria 2011 - date

Courses taught at undergraduate and postgraduate levels:

(a) **Undergraduate Courses:**

- ANS 313: Introduction to Ruminant Animal Management
 ANS 411: Animal Husbandry Techniques (Ruminant)
 ANS 515: Cattle , Sheep and Goat Production
 ANS 517: Animal Products
 ANS 530: Pasture and Range Management

(b) **Postgraduate Courses:**

- APM 711: Advanced Ruminant Production and Management
 APM 715: Advanced Animal Husbandry Techniques
 APM 721: Production and Management of Animal Feed Resources
 APP 708: Milk and Milk Products
 APB 727: Physiology of Lactation

(c) Students Project Supervision:	Completed	In Progress
B.Sc.	20	3
M.Sc.	15	5
Ph.D	2	4

VIII. (a) Completed Research:

- i. Utilization of crop residues and agro-industrial by-products as ruminant feeds in Nigeria.
- ii. Sweet potato forage and root as dry season feeds for ruminant animals.
- iii. Evaluation of whole plant maize and amaranth as dry season feeds for sheep in Nigeria
- iv. Silage quality and nutritive value of elephant grass ensiled with cassava peel for goats and dairy cattle during the dry season.
- v. Legume and moringa leaf silage as dry season and supplementary feeds for ruminants and milking animals in southwest Nigeria.
- vi. Perception of cattle farmers towards milk production in Oyo State.
- vii. Enhancing quality and acceptance of cheese and yoghurt using local resources.
- viii. Enhancing milk production in indigenous and introduced ruminant stock in Nigeria using local feed resources and improved management practices.
- ix. Performance and response of Sokoto Gudali heifers to different tick control measures in Ibadan

(b) Research in Progress:

- i. Evaporative cooling as a tool for enhancing comfort and productivity of milking cows in the tropical environment
In order to maximize the productive capacity of milking cows in the hot and humid environment, evaporative cooling measures are being evaluated for their ability to enhance milk production from indigenous and introduced livestock under the stressful environment.
- ii. Intensive fodder production for increased milk and ruminant production in Nigeria.
The increasing pressure and conflicts generated on dwindling grazing lands in southwest Nigeria has made it necessary to shift from extensive grazing to more intensive fodder production systems. Several techniques for intensive fodder production are being investigated.

(c) Dissertations and Thesis:

- i. Olorunnisomo O.A. (1992). Fertilizer requirements of grain amaranth (*Amaranthus cruentus*). B.Sc. Project, Department of Agronomy, University of Ibadan.
- ii. Olorunnisomo O.A. (1995). Feed intake, digestibility, nitrogen balance, and growth rate of WAD goats fed maize offal and sorghum brewer's grain in the concentrate diet. M.Sc. Project, Department of Animal Science, University of Ibadan.
- iii. Olorunnisomo O.A. (2007). Production and utilization of sweet potato (*Ipomoea batatas* (L) Lam) as a fodder for growing West African dwarf sheep. Ph.D Thesis, Department of Animal Science, University of Ibadan.

IX. Publications:

(a) Articles in Refereed Conference Proceedings:

- (1) **Olorunnisomo O.A.** (2008). Maize and amaranth fodders as dry season feed for sheep in the southwest of Nigeria. In: *Proceedings, International Conference on Livestock and Global Climate Change* (P. Rowlinson and A. Nefzaoui, Editors), 17 -20 May, 2008, Hammamet, Tunisia, pp 198-200.
- (2) **Olorunnisomo O.A.** and Ibhaze G.A. (2010). Physico-chemical properties of ‘wara’ cheese precipitated with Sodom apple and pawpaw leaf juice. In: *Proceedings, Nigerian Society for Animal Production* (O.J. Babayemi, O.A. Abu and E.O. Ewuola, Editors), 14-17 March, 2010, Ibadan, Nigeria, pp 834-836.
- (3) **Olorunnisomo O.A.** (2011). Silage characteristics and acceptability of elephant grass and cassava peel silage by ruminants in southwest Nigeria. In: *Proceedings, 3rd International Conference on Sustainable Animal Agriculture for Developing Countries (SAADC 2011)*, Volume III, 26 - 29 July, 2011, Nakhon Ratchasima, Thailand, pp 201-206.
- (4) **Olorunnisomo O.A.** and Odesanmi A.F. (2012). Effects of vegetable addition on the physico-chemical and organoleptic characteristics of yoghurt. In: *Proceedings, 17th Annual Conference of Animal Science Association of Nigeria*, 9 – 13 September, 2012, Abuja, Nigeria, pp 116 – 119.
- (5) Ibhaze G.A., **Olorunnisomo O.A.** and Fajemisin A.N. (2014). Milk constituents of West African dwarf goats fed corncob based silage. In: *2nd Asian-Australasian Dairy Goat Conference*, April 25 - 27, 2014, Bogor, Indonesia, pp145-148.
- (6) Ibhaze G.A., Alade C.T., Fajemisin A.N., **Olorunnisomo O.A.**, Adewumi M.K., Ekeocha A.H. and Tona G.O. (2015). Quality and preference of Gmelina arborea leaves and cassava peel silage as off season feed for West African Dwarf goats. In: *Proceedings 20th Annual Conference of Animal Science Association of Nigeria*, 6 – 10 September, 2015, Ibadan, Nigeria, pp 688 – 692.
- (7) **Olorunnisomo O.A.** and Adewumi A.S. (2015). Grass silage as conserved forage for cattle production in the humid parts of Nigeria. In: *Proceedings, 1st Biennial Conference of Society for Grassland Research and Development in Nigeria (SOGREDEN)*, 6 – 9 December, 2015, Abeokuta, Nigeria, pp 63 – 66.

- (8) **Olorunnisomo O.A.** and Adewumi A.S. (2016). Feeding strategy and performance of indigenous cattle under restricted grazing at the Dairy Farm University of Ibadan. In: *Proceedings, 41st Annual Conference of the Nigerian Society for Animal Production, 20-24 March, 2016, Abeokuta, Nigeria*, pp 745-748.
- (9) **Olorunnisomo O.A.** (2016). Evaporative cooling has potential to improve performance of Zebu cattle in tropical environments. In: *1st International Conference on Tropical Animal Science and Production (TASP 2016), 26-29, July 2016, Bangkok, Thailand*, pp 173-176.
- (b) **Articles in Learned Journals:**
- (10) **Olorunnisomo O.A.** and Ososanya T.O. (2002). Feed intake, digestibility and N balance of West African dwarf goats fed maize offal and sorghum brewer's grains. *Tropical Animal Production Investigation* 5: 211- 218.
- (11) **Olorunnisomo O.A.**, Ososanya T.O. and Adewumi M.K. (2005). Utilization of sweet potato as a forage supplement to a maize stover diet by West African dwarf sheep. *Tropical Journal of Animal Science* 8(1): 39-42.
- (12) Ososanya T.O., **Olorunnisomo O.A.** and Odedire J.A. (2005). Nutritive evaluation and dry matter degradability of broiler litter-based diets in West African dwarf sheep. *Tropical Journal of Animal Science* 8(2): 75-78.
- (13) **Olorunnisomo O.A.**, Adewumi M.K. and Babayemi O.J. (2006). Effects of nitrogen level on the utilization of maize offal and sorghum brewer's grain in sheep diets. *Livestock Research for Rural Development Volume 18, Article #10*.
<http://www.cipav.org.co/lrrd/lrrd18/1/olor18010.htm>
- (14) **Olorunnisomo O.A.** and Adeleye I.O.A. (2006). Influence of tillage and fertilizer application on yield and quality of sweet potato forage for sheep feeding during the dry season. *Journal of Applied and Environmental Sciences* 2 (1): 23-28.
- (15) **Olorunnisomo O.A.**, Salami A.E. and Adeleye I.O.A. (2006). Improvement in yield and chemical composition of sweet potato for livestock feeding through tillage and fertilizer application. *Agricultural Journal* 1 (4): 206-210.
- (16) **Olorunnisomo O.A.** (2007). Yield and quality of sweet potato forage pruned at different intervals for West African dwarf sheep. *Livestock Research for Rural Development Volume 19, Article #36*. <http://www.cipav.org.co/lrrd/lrrd19/3/olor19036.htm>

- (17) **Olorunnisomo O.A.** (2007). A cost-benefit analysis of sweet potato production for sheep feeding in the southwest of Nigeria. *Livestock Research for Rural Development Volume 19, Article #80*. <http://www.cipav.org.co/lrrd/lrrd19/6/olor19080.htm>
- (18) **Olorunnisomo O.A.** (2008). Sweet potato as a ruminant feed: Performance of sheep fed mixtures of the forage and root. *Nigerian Journal of Animal Production* 35 (2): 242-251.
- (19) **Olorunnisomo O.A.** 2008. Influence of milk powder addition on physical and chemical properties of yoghurt made from fresh zebu milk. *Tropical Animal Production Investigations* 11(1): 13-16.
- (20) Adewumi O.O. and **Olorunnisomo O.A.** (2009). Milk yield and milk composition of West African dwarf, Yankasa and crossbred sheep in southwest of Nigeria. *Livestock Research for Rural Development Volume 21, Article #42*. <http://www.lrrd.org/lrrd/lrrd21/3/adew21042.htm>
- (21) **Olorunnisomo O.A.** and Ayodele O.J. (2009). Effects of intercropping and fertilizer application on the yield and nutritive value of maize and amaranth forages in Nigeria. *Grass and Forage Science* 64: 413-420.
- (22) **Olorunnisomo O.A.** (2010). Nutritive value of conserved maize, amaranth or maize-amaranth mixture as dry season fodder for growing West African dwarf sheep. *Livestock Research for Rural Development Volume 22, Article #191*. <http://www.lrrd.org/lrrd/lrrd22/10/olor22191.htm>
- (23) **Olorunnisomo O.A.** (2010). Utilization of raw, cooked or fermented cassava-urea meal in a total diet for growing ewe-lambs. *Nigerian Journal of Animal Production* 37 (2): 237-246.
- (24) **Olorunnisomo O.A.**, Olubowale A.O. and Adesina M.A. (2010). Socio-economic characteristics of cattle farmers and their perception of milk production in three agricultural zones of Oyo State. *Journal of Agriculture, Forestry and Social Sciences*, 8(2): 1- 10.
- (25) **Olorunnisomo O.A.** 2011. Elephant grass silage as dry season feed for goats: effect of cassava peel inclusion on performance and digestibility of the mixture. *Tropical Animal Production Investigations* 14(1): 36-39.
- (26) **Olorunnisomo O.A.** and Fayomi O.H. (2012). Quality and preference of zebu heifers for legume or elephant grass-silages with cassava peel. *Livestock Research for Rural Development Volume 24, Article #168*. <http://www.lrrd.org/lrrd/lrrd24/09/olor24168.html>
- (27) **Olorunnisomo O.A.**, Ewuola E.O. and Lawal T.T. (2012). Intake and blood metabolites in Red Sokoto goats fed elephant grass and cassava peel silage. *Journal of Animal Production Advances* 2(9): 420-428.

- (28) **Olorunnisomo O.A.** and Ikpinyang E.A. (2012). Chemical composition, sensory properties, and yield of soft cheese precipitated with different coagulants. *Tropical Animal Production Investigations* 15(1): 15-18.
- (29) Ewuola E.O., **Olorunnisomo O.A.** and Oyeniyi F.G. (2013). Physiological response of gestating and non-gestating Jersey cows to a humid tropical environment. *Tropical Animal Production Investigations* 16(1): 18-22.
- (30) Ibhaze G.A., **Olorunnisomo O.A.** and Ladele A.A. (2013). Perception of goat milk production and consumption in rural, peri-urban and urban areas of Oyo State, Nigeria. *Journal of Applied Agricultural Research* 5(2): 103 – 108.
- (31) **Olorunnisomo O.A.**, Oni A.A. and Abiola J.O. (2013). A report on management practices and milk production from Jersey cows raised in Ibadan. *Journal of Agriculture, Forestry and Social Sciences* 11 (2): 98-104.
- (32) **Olorunnisomo O.A.** and Ibhaze G.A. (2013). Milk yield and feed conversion of Sokoto Gudali cows fed Elephant grass ensiled with cassava peel. *Agricultura Tropica et Subtropica* 46(4):123 – 128.
- (33) **Olorunnisomo O.A.** (2013). Milk production in Sokoto Gudali cows fed legume or elephant grass ensiled with cassava peel. *Livestock Research for Rural Development*. Volume 25, Article #105. Retrieved, <http://www.lrrd.org/lrrd25/6/olor25105.html>
- (34) **Olorunnisomo O.A.** (2014). Intake and milk yield of zebu cows fed moringa forage ensiled with cassava peel. *African Journal of Livestock Extension* 14: 72 -76.
- (35) **Olorunnisomo O.A.** and Adesina M.A. (2014). Silage characteristics, nutritive value and preference of Zebu cows for moringa leaf ensiled with different levels of cassava peel. *Journal of Applied Agricultural Research* 6(1): 191-196.
- (36) Ewuola E.O., **Olorunnisomo O.A.**, Oyeniyi F.G. and Oni A.A. (2014). Haematological and serum biochemical response of Jersey and three indigenous cow breeds at two physiological states in a humid tropical environment. *Scientific Journal of Animal Science*. 3(6): 176-183.
- (37) **Olorunnisomo O.A.** and Adewumi A.S. (2014). Dosage of starter culture influences gel formation and physico-chemical properties of yoghurt made from zebu milk. *Mljekarstvo (Dairy)* 64(3): 207-212.

- (38) **Olorunnisomo O.A.** and Lasisi O.T. (2014). Performance of Sokoto Gudali heifers under different tick control measures in Ibadan. *Scientific Journal of Animal Science* 3(8): 219-224.
- (39) **Olorunnisomo O.A.**, Ososanya, T.O. and Adedeji A.Y.(2014). Homogenization of milk and its effect on sensory and physico-chemical properties of yoghurt. *African Journal of Food Science* 8(9):465-470.
- (40) **Olorunnisomo O.A.**, Akinpelu W.A. and Oni A.A. (2014). Performance of zebu heifers under heat mitigation measures in a humid-tropical environment. *Agricultura Tropica et Subtropica* 47(4): 119 – 123.
- (41) Ibhaze G.A., Babayemi O.J. and **Olorunnisomo O.A.** (2014). Acceptability and digestibility of ensiled mixtures of corncobs, cassava peels and brewer's grain by West African Dwarf goats. *Nigerian Journal of Animal Production* 41(2): 139 – 145.
- (42) Ososanya T.O. and **Olorunnisomo O.A.** (2015). Silage characteristics and preference of sheep for wet brewer's grain ensiled with maize cob. *Livestock Research for Rural Development* Volume 27, Article #12. Retrieved from, <http://www.lrrd.org/lrrd27/1/osos27012.htm>
- (43) **Olorunnisomo O. A.** and Ososanya T.O. (2015). Physical characteristics, nutritive value and preference of zebu heifers for ensiled mixtures of corn cob, cassava peel and urea. *Scientific Journal of Animal Science* 4(2): 19-23.
- (44) **Olorunnisomo, O.A.**, Ososanya, T.O. and Adedeji, A.Y. (2015). Influence of stabilizers on composition, sensory properties and microbial load of yoghurt made from zebu milk. *International Journal of Dairy Science* 10(5): 243-248.
- (45) **Olorunnisomo O.A.** and Abiola J.O. (2015). Haematological response of Sokoto Gudali heifers to babesia infection and tick control measures in a humid tropical environment. *Nigerian Journal of Animal Production* 42(2): 271-276.
- (46) Ibhaze G.A., Fajemisin A.N., Aro S.O. and **Olorunnisomo O.A.** (2015). *Gmelina arborea* leaves with cassava peel silage as feed resource for West African Dwarf goats in South West Nigeria. *Tropical Animal Production Investigations* 18(2): 32-38.
- (47) **Olorunnisomo O.A.** (2015). Silage-making and its influence on cattle production at the University of Ibadan. *Tropical Animal Production Investigations* 18(2): 91-98.

- (48) Okunlola D.O. and **Olorunnisomo O.A.** (2016). Influence of baobab fruit in the diet on intake, milk yield and milk composition in Red Sokoto goats. *Scientific Journal of Animal Science* 5(1), 192-198.
- (49) **Olorunnisomo O.A.** and Ewuola E.O. (2016). Response of non-gestating zebu cows to different cooling measures in a humid tropical environment. *Current Research in Dairy Sciences* 8(1): 1-5.
- (50) **Olorunnisomo O.A.** and Oladele C.B. (2016). Intake and physiological response of Jersey cows to cooling measures in a hot humid environment. *Nigerian Journal of Animal Production* 43(1): 53-60.
- (51) **Olorunnisomo O.A.** and Adewumi A.S. (2016). Lime and mango juice as coagulants for soft cheese made from fresh or reconstituted milk. *Journal of Biology, Agriculture and Healthcare* 6(6): 37-40.
- (52) **Olorunnisomo O.A.**, Adewumi A.S. and Oladimeji A.O. (2016). Efficiency of evaporative cooling on zebu heifers sprinkled with different volumes of water in a tropical environment. *Journal of Animal Production Research* 28(1): 340-347.
- (c) **Articles accepted for publication:**
- (53) **Olorunnisomo O.A.** (2016). Chemical composition, sensory attributes and microbial properties of yoghurt enhanced with fresh tropical fruits. *Ibadan Journal of Agricultural Research*. (Accepted)



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