

**2018 PROMOTION EXERCISE
CURRICILUM VITAE**

- I.**
- (a) **Name:** Olatunbosun ODU
 - (b) **Date of Birth:** 24th September, 1971
 - (c) **Department:** Animal Science
 - (d) **Faculty:** Agriculture
- II.**
- (a) **First Academic Appointment:** Assistant Lecturer, 26 September, 2012
 - (b) **Present post (with dates):** Lecturer II, 9 February, 2015 (Upgrade)
 - (c) **Date of last promotion:** Not Applicable
 - (d) **Date last considered (in cases where promotion was not through):** Not Applicable
- III.**
- University Education (with dates)**
- (a) University of Ibadan, Ibadan 1990 - 1997
 - (b) University of Ibadan, Ibadan 1998 - 1999
 - (c) University of Ibadan, Ibadan 2007 - 2015
- IV.**
- Academic Qualifications (with dates and granting bodies)**
- (a) B.Sc. Animal Science (University of Ibadan, Ibadan) November, 1997
 - (b) M.Sc. Animal Science (University of Ibadan, Ibadan) November, 1999
 - (c) Ph.D. Animal Science (University of Ibadan, Ibadan) February, 2015
- V.**
- Professional Qualifications and Diplomas (with dates):** Nil
- VI.**
- Scholarships, Fellowships and Prizes (with dates) in respect of Undergraduate and Postgraduate work only**
- VII.**
- Honors, Distinctions and Membership of Learned Societies**
- (a) Member, Animal Science Association of Nigeria. (ASAN)
 - (b) Member, Ghana Society of Animal Production (GSAP)
 - (c) Member, Nigeria Institute of Animal Science (NIAS)
- VIII**
- Details of Teaching/Work Experience**
- (a) Lecturer II, University of Ibadan, Ibadan Feb., 2015 to date
 - (b) Assistant Lecturer, University of Ibadan, Ibadan Sept., 2012 - Feb., 2015
 - (c) Research Student - Africa Rice Centre, Ibadan. May, 2008 - Dec., 2012
 - (d) Cleanserve Integrated Services Ltd Oct., 2006 - Feb., 2008
 - (e) Private Agricultural Venture: Poultry and Cattle Rearing Nov., 2003 - Sept., 2006
 - (f) Oceanic Bank International Nig. Ltd Nov., 1999 - Oct., 2003

Courses Taught at Undergraduate and Postgraduate Levels:

(a) Undergraduate Teaching Courses

<u>Course code</u>	<u>Title</u>	<u>Units</u>
ABN 220	Introduction to Food Science and Technology	2(J)
ABN 321	Analytical Techniques in Agriculture I	2(J)
ABN 323	Bioenergetics	2(J)
ANS 511	<u>Monogastric Nutrition</u>	2(J)
ABN 523	Feed Formulation and Feed Industry	2(J)
ABN 525	Special Topics in Nutritional Biochemistry	2(J)
ANS 590	Seminars	2(J)
ANS 599	Projects	4(S)

(b) Post graduate Teaching Courses

<u>Course code</u>	<u>Title</u>	<u>Units</u>
APM 721	Production and Management of Animal Feed Resources	3(J)
ABN 715	Practical Animal Nutrition	3(J)
ABN 720	Feed Formulation And Feed Milling Practices	3(J)
ANS 799	Project Supervision	6(S)

J -Jointly Taught/Supervised

S –Singly Supervised

(c) Students' Project/Thesis Supervision

<u>Degree</u>	<u>Completed</u>	<u>In progress</u>
B. Sc	12	3
M. Sc	0	5

(d) Administrative Responsibility

i.	Member, Departmental Undergraduate Course Registration	2012 - 2016
ii.	Unit Coordinator, Agricultural Biochemistry and Nutrition Unit	2014 - 2016
iii.	Member, Faculty Postgraduate Committee	2015 to date
iv.	Departmental Postgraduate Coordinator	2016 to date
v.	Member, Faculty Workshop and Training Committee	2013 to date
vi.	Member, Departmental Workshop and Training Committee	2015 to date

(e) Community Service

Acting Coordinator, University Feedmill	2016 - 2018
Assistant Hall Warden, Sultan Bello Hall	2015 to date

IX.

Research:

(a) **Completed**

- (i) Rice straw as fodder for West African dwarf sheep
- (ii) Effects of organic acid and probiotic on performance and gut morphology in broiler chickens
- (iii) Crude protein and energy requirements of Japanese quail (*Coturnix coturnix japonica*) during rearing period.

(b) **In Progress**

- (i) **Feedstuff and feed resources fed to small ruminants by rural households in Ibadan, Oyo State**

Small ruminants are important components of rural household economies. Feeding these animals sufficiently has direct impact on the economies of households, however, little is attention is given to their feeding and nutrition. The study is designed to assess the nutritional quality and adequacy of household wastes and other feed resources used as feed for small ruminants in the different zones of Ibadan. Three local government areas, namely: Akinyele, Ido and Lagelu have been covered, three other local government areas will also be assessed. The last three set of local government areas are yet to be assessed.

- (ii) ***In vitro* and nutritional quality of feedstuff and feed resources fed to small ruminants by rural households in Ogun and Osun States.**

Feed nutritional quality is the most important factor which determines animal growth performance, apart from genetic composition and environment. Feeding small ruminants adequately, being vital contributors to rural economies in most Nigerian communities could help in mitigating the poor financial state of many families. The study is designed to assess the nutritional quality and adequacy of feed resources used as feed for small ruminants in those states. Three level selection stage is being utilised in carrying out the assessment while key feed resources identified will be assessed for nutritive qualities. This work is at the concluding stage.

- (iii) ***In vitro* characteristics and degradability of graded levels of combinations of leguminous forages and grasses**

Proportions of the combination of forages consumed by ruminants can affect the trend of activities within the rumen. This study seeks to assess rates, trends of gas productions, types and proportion of gases, degradability and rumen microbiota's dynamics as influenced by varying levels of leguminous forages and grasses. This work commenced this 2017/2018 session and still ongoing.

(c) **Project, Dissertations and Thesis**

Odu, O. (2015). Potential of Rice (*Oryza spp.*) as Fodder for West African Dwarf Sheep. Ph.D. Thesis, Department of Animal Science, University of Ibadan, Ibadan, Nigeria.

Odu, O. (1999). Growing Performance, Carcass Characteristics, Nutrients Retention, Organ Weights, GIT Weights and Length of Broilers fed Copper-Supplemented Diet with Two Levels of Yeast and Zinc Bacitracin. M.Sc. Research Project, Department of Animal Science, University of Ibadan, Ibadan, Nigeria.

Odu, O. (1997). Effects of using palm kernel meal (PKM) and cassava peel as supplements on the cost of feeding growing pigs. B.Sc. Project, Department of Animal Science, University of Ibadan, Ibadan, Nigeria.

Publications:

- (a) **Books already published:** Nil
- (b) **Chapters in Books already published:** Nil

(c) Articles that have already appeared in Refereed Conference Proceedings

1. Ademola S.G., Babatunde, G.M., Onifade, A.A., **Odu, O.**, Farinu, G.O. and Amao, A.O. (2002). Nutrient retention, carcass measurement, intestinal and organ development of broilers fed Copper-supplemented diets with two levels of yeast and bacitracin. In Fanimo, A.O. and Olanite J.A. (Eds.). *Contributory Role of Animal Production in National Development: Proceedings of the 7th Annual Conference, Animal Science Association of Nigeria (ASAN)*, 16 – 19 September, 2002, University of Agriculture, Abeokuta, 151-153pp. (Nigeria) (Contribution: 40%)
2. Ademola S.G., Ayansola, M., Ademola A.O. and **Odu, O.** (2012). Economic production indices of heat-stressed broilers fed Maxigrain-supplemented diets. In Bitto, I. I., Kaankuka, F. G. and Attah, S. (Eds.) *Sustainable Animal Production for National Food Security and Poverty Alleviation: Proceedings of the 37th Conference of Nigeria Society of Animal Production*, University of Agriculture, Makurdi, Benue State. 569-571pp. (Nigeria) (Contribution: 40%)
3. **Odu, O.**, Semon, M., Grings, E., Adewumi, M.K. and Iyayi, E.A. (2015). Fodder qualities of straws of some rice (*Oryza spp.*) varieties cultivated in Nigeria. In Odoi, F.N.A., Haga, J., Adam, I., Ayorinde, L.K., Awuma, K.S. Teye, M., and Annan-Prah, A.A. (Eds). *Climate Change and Livestock Development: Proceedings of 19th Biennial Conference of the Ghana Society of Animal Production. (GSAP)*, University of Cape Coast, Ghana, 5 - 8 August, 2015. 87- 93pp (Ghana) (Contribution: 50%)
4. Idahor, K.O., Sokunbi, O.A., Osaiyuwu, O.H., **Odu, O.**, Nwosuh, C.I., Sati, N.M., Emenaa, P., Babayemi, O.J. and Shamaki, D. (2018). Embryo development stages in Japanese quail (*Coturnix coturnix japonica*) eggs incubated at 38°C. In. Okoli, I.C, Ogbuewu, I.P. Emenalom, O.O., and Esonu, B.O. (Eds). *Exploring Science and Technology Innovations for Sustainable Livestock Development: Proceedings of the 43rd Annual Conference of the Nigerian Society of Animal Production (NSAP)*. Owerri. 18-22 March, 2018. Owerri. 18-22 March, 2018. 1433-1436pp (Nigeria) (Contribution: 25%)

(d) Patents: Nil**(e) Articles that have already appeared in learned journals:**

5. Ademola, S.G., Lawal, T.E., **Odu, O.**, Shittu, M.D., Oladiran, H.O. and Adeshina, M.T. (2013). Effects of native and microbial phytase on laying performance, shell ash and phosphorus content of hen fed mash and pelleted diets. *Online Journal of Animal and Feed Research*. Vol. 3 230-234pp. (Iran) (Contribution: 30%)

6. Agboola, A.F., Omidwura, B.R.O., **Odu, O.**, Adeyemi, W.T., Suberu, S.A., Aroniyo, I. and Iyayi, E.A. (2014). Influence of dietary supplementation of probiotics and synbiotics on growth performance, nutrient digestibility and organ weights in turkey poults. *Ibadan Journal of Agricultural Research*, Volume 10: 1-12. (Nigeria) (Contribution: 30%)
7. Agboola, A.F., **Odu, O.**, Omidwura B.R.O., and Iyayi, E.A. (2015). Effect of probiotic, carbohydrase enzyme and their combination on the performance, histomorphology and gut microbiota in broilers fed wheat-based diets. *American Journal of Experimental Agriculture*, Volume 8: 307-319 (United States of America) (Contribution: 30%)
8. Agboola, A.F., Omidwura, B.R.O., **Odu, O.**, Odupitan F.T., and Iyayi, E.A. (2015). Effect of probiotic and toxin binder on performance, intestinal microbiota and gut morphology in broiler chickens. *Journal of Animal Science Advances*, Volume 5: 1369-1379. (Iran) (Contribution 30%)
9. Agboola, A.F., Omidwura, B.R.O., **Odu, O.**, Popoola I.O., and Iyayi, E.A. (2015). Effects of organic acid and probiotic on performance and gut morphology in broiler chickens. *South African Journal of Animal Science*, Volume 45: 494-501. (South Africa) (Contribution: 30%)
10. Omidwura, B.R.O., **Odu, O.**, Agboola, A.F., Akinbola, D.D. and Iyayi, E.A. (2016). Crude protein and energy requirements of Japanese quail (*Coturnix coturnix japonica*) during rearing period. *Journal of World's Poultry Research*, Volume 6: 99-104 (Turkey) (Contribution: 30%)

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| (f) | Books, Chapters in Books already accepted for publication | Nil |
| (g) | Technical Reports and Monographs | Nil |

XI **Major Conferences and Workshops Attended with Papers Read (in the last 5 years)**

1. 19th Biennial Conference of the Ghana Society of Animal Production. (GSAP), University of Cape Coast, Ghana. August 5 - 8, 2015.

Paper Read: Fodder qualities of straws of some rice (*Oryza spp.*) varieties cultivated in Nigeria

2. 3rd Joint Annual Meeting ASAN/NIAS Conference, September, 2014 at the International Conference, Center, University of Ibadan, Ibadan. Nigeria
3. 4th Joint Annual Meeting ASAN/NIAS Conference, September, 2015 at the International Conference Centre, University of Ibadan, Ibadan. Nigeria.
4. 6th Joint Annual Meeting ASAN/NIAS Conference, September, 2017 at the NAF Conference Centre, FCT, Abuja, Nigeria.

XII

Ten Best Publications that Reflect the Totality of my Contributions to Scholarship

1. Agboola, A.F., Omidwura, B.R.O., **Odu, O.**, Adeyemi, W.T., Suberu, S.A., Aroniyo, I. and Iyayi, E.A. (2014). Influence of dietary supplementation of probiotics and synbiotics on growth performance, nutrient digestibility and organ weights in turkey poults. *Ibadan Journal of Agricultural Research*, Volume 10: 1-12. (Nigeria) (Contribution: 30%)
2. **Odu, O.**, Semon, M., Grings, E., Adewumi, M.K. and Iyayi, E.A. (2015). Fodder qualities of straws of some rice (*Oryza spp.*) varieties cultivated in Nigeria. In Odoi, F.N.A., Haga, J., Adam, I., Ayorinde, L.K., Awuma, K.S. Teye, M., and Annan-Prah, A.A. (Eds). *Climate Change and Livestock Development: Proceedings of 19th Biennial Conference of the Ghana Society of Animal Production. (GSAP)*, University of Cape Coast, Ghana., 5 -8 August, 2015, 87- 93pp (Ghana) (Contribution: 50%)
3. Agboola, A.F., Omidwura, B.R.O., **Odu, O.**, Popoola I.O., and Iyayi, E.A. (2015). Effects of organic acid and probiotic on performance and gut morphology in broiler chickens. *South African Journal of Animal Science*, Volume 45: 494-501. (South Africa) (Contribution: 30%)
4. Omidwura, B.R.O., **Odu, O.**, Agboola, A.F., Akinbola, D.D. and Iyayi, E.A. (2016). Crude protein and energy requirements of Japanese quail (*Coturnix coturnix japonica*) during rearing period. *Journal of World's Poultry Research*, Volume 6: 99-104 (Turkey) (Contribution: 30%)
5. Agboola, A.F., Omidwura, B.R.O., **Odu, O.**, Popoola I.O., and Iyayi, E.A. (2015). Effects of organic acid and probiotic on performance and gut morphology in broiler chickens. *South African Journal of Animal Science*, Volume 45: 494-501. (South Africa) (Contribution: 30%)
6. Agboola, A.F., **Odu, O.**, Omidwura B.R.O., and Iyayi, E.A. (2015). Effect of probiotic, carbohydrase enzyme and their combination on the performance, histomorphology and gut microbiota in broilers fed wheat-based diets. *American Journal of Experimental Agriculture*, Volume 8: 307-319 (United States of America) (Contribution: 30%)
7. Ademola, S.G., Lawal, T.E., **Odu, O.**, Shittu, M.D., Oladiran, H.O. and Adeshina, M.T. (2013). Effects of native and microbial phytase on laying performance, shell ash and phosphorus content of hen fed mash and pelleted diets. *Online Journal of Animal and Feed Research*. Volume 3: 230-234. (Iran) (Contribution: 30%)

8. Ademola S.G., Babatunde, G.M., Onifade, A.A., **Odu, O.**, Farinu, G.O. and Amao, A.O. (2002). Nutrient retention, carcass measurement, intestinal and organ development of broilers fed Copper-supplemented diets with two levels of yeast and bacitracin. In Fanimu, A.O. and Olanite J.A. (Eds.). *Contributory Role of Animal Production in National Development: Proceedings of the 7th Annual Conference, Animal Science Association of Nigeria (ASAN)*, 16 – 19 September, 2002, University of Agriculture, Abeokuta, 151-153pp. (Nigeria) (Contribution: 40%)

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 Dr. Olatunbosun ODU

 Date

