

## CURRICULUM VITAE

- I**
- (a) **Name:** Babatunde Richard Oluwasegun Omidiwura
  - (b) **Date of Birth:** 29 April, 1980
  - (c) **Department:** Animal Science
  - (d) **Faculty:** Agriculture
- II**
- (a) **First Academic Appointment:** Assistant Lecturer, 26 September, 2012
  - (b) **Present Post (with dates):** Lecturer I, 1 October, 2018
  - (c) **Date of Last Promotion:** 1 October, 2018
  - (d) **Date Last Considered (in cases where promotion was not through):** Not Applicable
- III** **University Education (with dates)**
- (a) University of Ibadan, Ibadan 1999 - 2005
  - (b) University of Ibadan, Ibadan 2006- 2008
  - (c) University of Ibadan, Ibadan 2012 -2015
- IV** **Academic Qualifications (with dates and granting bodies)**
- (a) B. Agric., University of Ibadan, Ibadan November, 2005
  - (b) M. Sc. Animal Science, University of Ibadan, Ibadan November, 2008
  - (c) Ph. D. Animal Science, University of Ibadan, Ibadan November, 2015
- V** **Professional Qualifications and Diplomas (with dates)**
- (a) Certificate in Basic Computing and Data Processing 2002
- VI** **Scholarships, Fellowships and Prizes (with date) in respect of Undergraduate and Postgraduate work only**
- (a) Zard Scholarship Award for Undergraduate Study 2003, 2004 and 2005
  - (b) Pfizer prize of best graduating student 2005
  - (c) Pfizer livestock feeds award of best graduating student 2005
  - (d) Zard Scholarship Award for best Graduating Student of the Department of Animal Science 2005

## **VII Honours, Distinctions and Membership of Learned Societies**

- (a) Member, Nigerian Institute of Animal Science (NIAS)
- (b) Member, Animal Science Association of Nigeria (ASAN)
- (c) Member, Nigerian Society for Animal Production (NSAP)
- (d) Member, Ghana Society for Animal Production, Ghana (GSAP)
- (e) Member, British Society of Animal Science, United Kingdom (BSAS)

## **VIII Details of Teaching/Work Experience**

- (a) Regional Controller, Access Bank PLC, Nigeria (2007 – 2012)
- (b) Assistant Lecturer, Department of Animal Science, University of Ibadan, Ibadan (2012 – 2015)
- (c) Lecturer II, Department of Animal Science, University of Ibadan, Ibadan (2015 to 2018)
- (d) Lecturer I, Department of Animal Science, University of Ibadan, Ibadan (2018 to date)

## **Courses Taught at Undergraduate and Postgraduate Levels**

### **(a) Undergraduate Teaching Courses:**

<u>Course Code</u>	<u>Title</u>	<u>Unit</u>	<u>Class Size</u>
ABN 320	Metabolism of Carbohydrates, Protein and Lipids (J)	2	54
ABN 520	Chemistry and Nutritive Values of Nigerian Feeds and Feeding Stuffs (J)	2	53
ABN 522	Techniques in Biochemistry and Nutritional Research (J)	2	19
ABN 523	Feed Formulation and Feed Industry (J)	2	53
ABN 525	Special Topics in Nutritional Biochemistry (J)	2	19
ABN 590	Seminars (J)	2	53
ABN 599	Projects (S)	4	3

### **(b) Postgraduate Teaching Courses:**

ABN 701	Seminar (J)	3	97
ABN 710	Instrumentation in Agricultural Biochemistry and Nutrition (J)	3	20
ABN 712	Advanced Course in Proteins and Nucleic Acid Metabolism (J)	3	23
ABN 716	Biochemical Control Mechanism (J)	3	20
ABN 719	Feed and Feedstuff Biotechnology (J)	3	20
ABN 720	Feed Formulation and Feed Milling Practices (J)	3	97
ABN 799	Projects (S)	6	3
ABN 812	Advanced Nutritional and Biochemical Tools for Animal Production (J)	3	1

J = Jointly taught

S = Singly taught/supervised

### **(c) Students' Project Supervision:**

	<b>Completed</b>	<b>In Progress</b>
B. Sc	10	3
M. Sc	2	3
Ph. D	-	-



**(d) Administrative Duties:**

- |   |              |
|---|--------------|
| (i) Member, Undergraduate Seminar Committee | 2012 to date |
| (ii) Member, Departmental ICT Committee     | 2012 to date |
| (iii) Member, Environmental Committee       | 2012 to date |
| (iv) Member, Curriculum Review Committee    | 2012 to date |
| (v) Undergraduate Registration Officer      | 2015 to date |

**(e) Community Service:**

- |   |              |
|---|--------------|
| (i) Ex-Officio member, Akingbile-Oluana-Lagbe Landlord/Landlady Association, Ibadan | 2012 to 2016 |
| (ii) Staff Adviser, Animal Science Students' Association of Nigeria, UI Chapter     | 2013 to date |
| (iii) Member, Faculty Committee on Training, Seminars and Workshops                 | 2015 to date |
| (iv) Assistant Warden, Ransome Kuti Hall  | 2015 to 2018 |
| (v) Deputy Editor, Tropical Animal Production Investigations                        | 2015 to date |
| (vi) Reviewer, American Journal of Experimental Agriculture                         | 2015 to date |
| (v) Warden, Ransome Kuti Hall   | 2018         |
| (vi) Chairman, Constitution Drafting Committee, Lagbeja Community, Moniya           | 2018         |

## **IX Research**

### **(a) Completed**

- (i) Effect of L-Dopa in replacing DL-methionine on the performance of broiler chickens. Results already published in conference proceedings.
- (ii) Influence of supplemental levels of probiotic on growth response, intestinal microbiota and carcass characteristics of broilers. Results already published in journal articles.
- (iii) Effect of supplemental four dietary oils on cholesterol and fatty acid profile in egg yolk and blood parameters of egg-type chickens. Results already published in journal articles.
- (iv) Influence of sodium acetate and sodium propionate on growth response, apparent nutrient digestibility, gut histomorphology and blood metabolites of broiler chickens. Parts of results already published in journal articles.
- (v) Qualitative and Quantitative Analysis of Pawpaw (*Carica papaya*) Leaf Extract and Its Antimicrobial Effect in Animal Production. Results already published in journal articles.
- (vi) Potency of selected herbs on inhibition of ammonia producing bacteria. Yet to be published
- (vii) Cholesterol profile and gut microbial population of laying birds fed L-Dopa supplemented diets. Yet to be published

### **(b) In Progress**

- (i) Combating environmental pollution of poultry waste: antibacterial potentials of selected indigenous herbs against urease-producing bacteria.

In intensive production systems, stocking density in poultry houses are very high, thus making it difficult to maintain optimal microclimate and animal hygiene conditions. One of the prerequisites for the emergence of such difficulties is the fact that during the entire production cycle, the production of manure and litter are inevitable. These wastes therefore become sources of pollution to the environment via the generation of harmful gases, dust and microorganisms. Studies have shown that high levels of ammonia also increase the severity of respiratory disorders, such as pneumonia, by directly damaging the respiratory tract. All these are potential forms of environmental pollution in Nigeria as the country's livestock industry expands. It is, therefore, necessary to reduce the ammonia production in the poultry waste via controlled nutrition. Medicinal plant or the phytochemicals from some indigenous herbs can influence selectively the microorganisms by an antimicrobial activity and to take care of ammonia producing bacteria in farm animals rather than the use of chemotherapy. This study then aims at generating the requisite information that would enhance sustainable use of some of our indigenous herbs in control of urease producing bacteria in broilers and commercial layers production in Nigeria. The experiment is at data collection stage.

- (ii) *In ovo* and early post hatch feeding of honey solution on liveability and performance of turkey poults.

In turkeys, extensive embryonic mortality occurs toward the end of the incubation period when hatching related events occurs. The amniotic fluid of the turkey embryo consists of fat and protein, with only traces of carbohydrate, yet glucose is the primary source of energy needed for embryonic development and growth. *In ovo* feeding of a solution that contains all the necessary metabolites to the embryonic turkey has not been investigated. Honey, a calorie-rich sugary substance also contains vitamins, minerals, antioxidants and certain amino acids, which has the potential to augment the inherent nutrients of the growing turkey embryo. It was therefore the objective of this study to evaluate the effect of *in ovo* feeding of honey solution during the last phase of incubation on development of intestinal morphology, digestive enzyme activity and performance of turkey poults. The experiment is at data collection stage.

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

- (i) **Omidiwura, B. R. O.** (2005). Haematology and serum biochemistry of West African dwarf sheep fed urea based supplement with or without sulphur addition. B.Sc. Project. Department of Animal Science, University of Ibadan, Ibadan, Nigeria. 1-41pp.
- (ii) **Omidiwura, B. R. O.** (2008). Crude protein digestibility in *Mucuna pruriens* seed meal and soya bean meal at the terminal ileum in broiler. M.Sc. Project. Department of Animal Science, University of Ibadan, Ibadan, Nigeria. 1-68pp.
- (iii) **Omidiwura, B. R. O.** (2015). Growth, DL-methionine utilisation and serum cholesterol of broiler chickens fed mucuna L-Dopa. Ph.D Thesis. Department of Animal Science, University of Ibadan, Ibadan, Nigeria. 1-124pp.

## X Publications

- (a) Books already published: Nil
- (b) Chapters in Books already published: Nil
- (c) Articles that have already appeared in Refereed Conference Proceedings:

- 1 Agboola, A. F. and **Omidwura, B. R. O.** (2015). Growth response and carcass characteristics of broilers fed heat treated jatropha seed cake-based diets. In: I. A Adeyinka, M. Kabir, S. B Abdu, G. I Erakpotobor, M. R. Hassan and A. O Iyiola-Tunji. (Eds). *Enhance livestock production: A tool for economic empowerment and improved security in Nigeria: Proceedings of the 40<sup>th</sup> Annual Conference of the Nigerian Society for Animal Production (NSAP)* held on March 15-19, 2015, at NAPRI/Ahmadu Bello University, Zaria, Nigeria. Pp: 344 - 347. (Nigeria)
- \*2. **Omidwura, B. R. O.**, Agboola, A. F. and Iyayi E. A. (2015). Effect of L-Dopa in Replacing DL-Methionine on the Performance of Broiler Chickens. In: Odoi, F. N. A., Hagan, J., Adam, I., Ayorinde, L.K., Awuma, K. S., Teye, M. and Anna-Prah, A. A. (Eds.). *Climate Change and Livestock Development: Proceedings of the 19<sup>th</sup> Biennial Conference of the Ghana Society for Animal Production (GSAP)*, 5-8 August, 2015, University of Cape Coast, Ghana, 122-129pp. (Ghana)
- \*3. Agboola, A. F., **Omidwura, B. R. O.**, Olayemi, U. O. and Iyayi, E. A. (2015). Apparent Ileal Digestibility of Crude Protein and Amino Acids in Wheat Offal Diets for Broilers. In: Adebisi, O. A., Ogunwole, O. A., Babayemi, O. J. and Iyayi, E. A. (Eds.). *Meeting the Increasing Demand for Animal Products by a Hungrier World: The Challenge of Improved Animal Production: Proceedings of the 20<sup>th</sup> Annual Conference of the IBADAN 2015 JAM Joint Annual Meeting of the Animal Science Association of Nigeria and Nigerian Institute of Animal Science (ASAN-NIAS)*, 6-10 September, 2015, University of Ibadan, Ibadan, Nigeria. 631-635pp. (Nigeria)
- \*4. Agboola, A. F. and **Omidwura, B. R. O.** (2017). Influence of Three Dietary Oil Sources on Growth Performance, Carcass Characteristics and Lipid Profile in Broiler. In: Adelaye, A. A., Oyawoye, E. O., Toye, A. A. and Adesina, B. T. (Eds.). *Emerging Challenges facing Animal Agriculture in Nigeria and the Way Forward: Proceedings of the 42<sup>nd</sup> Annual Conference of the Nigerian Society for Animal Production (NSAP)*, 26-30 March, 2017, Landmark University, Omu-aran, Kwara State, Nigeria. 238-241pp. (Nigeria)
- \*5. **Omidwura, B. R. O.** and Agboola, A. F. (2017). Performance, Gut Microbial Population and Histology of Broiler Chickens fed Probiotics and Organic Acid Supplemented Diets. In: Adelaye, A. A., Oyawoye, E. O., Toye, A. A. and Adesina, B. T. (Eds.). *Emerging Challenges facing Animal Agriculture in Nigeria and the Way Forward: Proceedings of the 42<sup>nd</sup> Annual Conference of the Nigerian Society for Animal Production (NSAP)*, 26-30 March, 2017, Landmark University, Omu-aran, Kwara State, Nigeria. 669-672pp. (Nigeria)

\*6. **Omidwura, B. R. O.** and Agboola, A. F. (2017). Influence of L-Dopa on the Performance and Lipid Profile of Pullet Chicks. In: Odoi, F.N.A., Hagan, J., Adam, I., Adesehinwa, A. O. K., Wallace, P. A., Teye, M., Terry, A., Obese, F. Y., Adogla-Bessa, T., and Apori, A. (Eds.). *Positioning the animal industry to achieve food security-role of stakeholders: Proceedings of the 20<sup>th</sup> International Biennial Conference of the Ghana Society for Animal Production (GSAP)* held on 1-5 August, 2017 at Sasakawa Centre, University of Cape Coast, Ghana. 116-126pp. (Ghana)

(d) Patents and Copyrights: Nil

(e) Articles that have already appeared in learned journals:

7 Iyayi E. A, Aderemi F. A, **Omidwura B. R.** and Ogunbode S.M. (2011). Crude Protein Digestibility in *Mucuna pruriens* seed meal, Soybean meal and Centrosema seed meal at the terminal ileum in broiler. *Electronic Journal of Environmental, Agricultural and Food Chemistry*. Vol. 10 No. 1: Pp. 1809-1815. (United States of America)

8 Agboola, A. F., Adenekan, O. O, Majolagbe, O. H., Ogunbode, S. M., Ajayi, H. I. and **Omidwura, B. R. O.** (2012). Utilisation of Frog (*Rana esculanta*) Meal as a Replacement for Fish Meal in Broiler Diets. *Tropical Animal Production Investigations*. Vol. 15. No. 1: 19-25. (Nigeria)

9 **Omidwura, B. R. O.**, Agboola, A. F. and Iyayi, E. A. (2014). Effect of Three Proprietary Growth Promoters on Performance, Carcass Characteristics and Gut Integrity of Broilers. *Tropical Animal Production Investigations*. Vol. 17. No. 1: 85-90. (Nigeria)

10 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 symbiotics on growth performance, nutrients digestibility and organ weights in turkey poults. *Ibadan Journal of Agricultural Research*. Vol. 10. No. 1: 1 - 12. (Nigeria)

11 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*. Vol. 8. No. 5: 307-319. (United States of America)

\*12. 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*. Vol. 5. No. 7: 1369-1379. (Turkey)

\*13. Agboola, A. F., **Omidwura, B. R. O.**, Odu, O, Popoola, I. O. and Iyayi, E. A. (2015). Effect of Organic Acid and Probiotic on Performance and Gut Morphology in Broiler Chickens. *South African Journal of Animal Science*. Vol. 45. No. 5: 494-501. (South Africa)



- \*14. Agboola, A. F., **Omidwura, B. R. O.**, Oyeyemi, A., Iyayi, E. A. and Adelani, A. S. (2016). Effects of Four Dietary Oils on Cholesterol and Fatty Acid Composition of Egg Yolk in Layers. World Academy of Science, Engineering and Technology, International Science Index 110, *International Journal of Biological, Biomolecular, Agricultural, Food and Biotechnological Engineering*. Vol. 10. No. 2: 32-39. (France)
- \*15. **Omidwura, B. R. O.**, Agboola, A. F. and Iyayi, E. A. (2016). Effect of L-Dopa on Performance and Carcass Characteristics in Broiler Chickens. World Academy of Science, Engineering and Technology, International Science Index 110, *International Journal of Biological, Biomolecular, Agricultural, Food and Biotechnological Engineering*. Vol. 10. No. 2: 59-63. (France)
- \*16. Agboola, A. F., **Omidwura, B. R. O.** and Iyayi, E. A. (2016). Influence of Supplemental Levels of Probiotic on Growth Response, Intestinal Microbiota and Carcass Characteristics of Broilers. *American Journal of Experimental Agriculture*. Vol. 12. No. 2: 1-7. (United States of America)
- \*17. **Omidwura, B.R.O.**, Odu, O., Agboola, A.F., Akinbola, D.D. and Iyayi, E.A. (2016). Determination of Crude Protein and Metabolisable Energy of Japanese Quail (*Coturnix coturnix japonica*) during Rearing Period. *Journal of World's Poultry Research*. Vol. 6. No. 2: 99-104. (Turkey)
- \*18. Agboola, A. F., **Omidwura, B. R. O.**, Ologbosere, E. Y. and Iyayi, E. A. (2016). Determination of Crude Protein and Metabolisable Energy of Japanese Quail (*Coturnix coturnix japonica*) during Laying Period. *Journal of World's Poultry Research*. Vol. 6. No. 3: 131-138. (Turkey)
- \*19. **Omidwura, B. R. O.** and Agboola, A. F. (2016). Performance, Digesta Viscosity and Microbial Load in Broilers Fed Diets That Contain 20% Wheat with Roxazyme G2G. *American Journal of Experimental Agriculture* Vol. 11 No. 5: 1-7. ISSN: 2231-0606. (United States of America)
- \*20. Agboola, A. F., **Omidwura, B. R. O.** and Olurinola, J. O. (2017). Influence of Four Dietary Oils on Selected Blood Metabolites in Egg-type Chickens. *Journal of Agricultural Sciences*. Vol. 62. No. 3: 251-263. (Serbia)
- \*21. **Omidwura, B. R. O.** (2017). Qualitative and Quantitative Analysis of Pawpaw (*Carica papaya*) Leaf Extract and Its Antimicrobial Effect in Animal Production. *Nigerian Journal of Animal Production*. Vol. 44. No. 3: 188-196. (Nigeria)
- \*22. **Omidwura, B. R. O.**, Agboola A. F. and Akogun, O. A. (2017). Effect of L-Dopa on Performance and Serum Cholesterol of Nera Black Pullets. *Nigerian Journal of Animal Production*. Vol. 44. No. 3: 254-261. (Nigeria)
- \*23. Agboola, A. F., **Omidwura, B. R. O.**, Osakue, P. O. and Ogunbiyi, K. O (2018). Effects of Sodium Acetate and Sodium Propionate Supplemented Diets on Growth Performance and Gut Histomorphology of Broiler Starter. *Nigerian Journal of Animal Science*. Vol. 20 No. 2: 183-196. (Nigeria)
- \*24. **Omidwura, B. R. O.**, Agboola A. F, Olaleye, O. O and Iyayi, E. A (2018). Influence of Prebiotics, Probiotics or Synbiotics on Performance, Intestinal Mucosal Integrity and Gut Microbiota of Turkey Poults. *Nigerian Journal of Animal Science*. Vol. 20. No. 2: 64-75. (Nigeria)

\*25. **Omidwura, B. R. O.** (2019). Effect of L-Dopa in Replacing DL-Methionine on the Performance of Broiler Chickens. *Journal of Experimental Agriculture International* (Past name: *American Journal of Experimental Agriculture* ISSN: 2231-0606) Vol. 29 No. 2: 1-8. ISSN: 2457-0591 (United States of America)

(f) Books, Chapters in Books and Articles already accepted for publication: Nil

(g) Technical Reports and Monographs: Nil

\*Publications added after last promotion

## **XI Major Conferences/Workshops Attended in the Last Five Years (with Papers Read)**

- 1) 2015 Annual Conference of the British Society of Animal Science and the Association of Veterinary Teaching and Research Work, University of Chester, UK, 14-15 April, 2015.

### **Paper presented:**

Influence of L-Dopa of *Mucuna pruriens* on growth response and gut mucosa integrity of broiler chickens.

- 2) The 19<sup>th</sup> International Biennial Conference of the Ghana Society for Animal Production (GSAP) - Climate Change and Livestock Development held on 5-8 August, 2015 at the Sasakawa Centre, University of Cape Coast, Ghana.

### **Papers presented:**

Performance and blood metabolites of broiler chickens fed heat treated jatropha seed cake-based diets.

Effect of L-Dopa in replacing dl-methionine on the performance of broiler chickens

- 3) The 41<sup>st</sup> Annual Conference of the Nigerian Society for Animal Production (NSAP) held on March 20-24, 2016, at Federal University of Agriculture, Abeokuta, Nigeria.

### **Paper presented:**

Qualitative and quantitative analysis of pawpaw (*Carica papaya*) leaf extract and its antimicrobial effect in animal production

- 4) The 42<sup>nd</sup> Annual Conference of the Nigerian Society for Animal Production (NSAP) held on March 26-30, 2017, at Landmark University, Omu-aran, Kwara State, Nigeria.

### **Papers presented:**

Influence of Three Dietary Oil Sources on Growth Performance, Carcass Characteristics and Lipid Profile in Broiler

Performance, gut microbial population and histology of broiler chickens fed probiotics and organic acid supplemented diets

- 5) 2017 Annual Conference of the World's Poultry Science Association (UK Branch), held in University of Chester, UK. April 26-27, 2017.

### **Paper presented:**

Effect of L-Dopa on Performance and Lipid Profile of Broiler Starter

- 6) The 20<sup>th</sup> International Biennial Conference of the Ghana Society for Animal Production (GSAP) - *Positioning the animal industry to achieve food security-role of stakeholders* held on 1-5 August, 2017 at Sasakawa Centre, University of Cape Coast, Ghana

### **Papers presented:**

Influence of L-Dopa on the Performance and Lipid Profile of Pullet Chicks

Nutrient Digestibility of Sesame Seed Meal and Groundnut Cake in Caecectomised Laying Hens

Dr B. R. O Omidwura

**Signature:**

**Date:**