

# CURRICULUM VITAE OF DR O. S. AKINOLA

## 01 PERSONAL DATA

- |      |                           |  |
|------|---------------------------|--|
| i    | NAME:                     | AKINOLA, OLUFEMI SUNDAY  |
| ii   | DATE OF BIRTH             | September 10, 1972   |
| iii  | PLACE OF BIRTH:           | Shomolu, Lagos State   |
| iv   | AGE:                      | 48 years   |
| v    | SEX:                      | Male   |
| vi   | MARITAL STATUS:           | Married  |
| vii  | NATIONALITY:              | Nigerian   |
| viii | TOWN AND STATE OF ORIGIN: | Igbogila, Ogun State   |
| ix   | LOCAL GOVERNMENT:         | Yewa North   |
| x    | CONTACT ADDRESS:          | Department of Animal Production & Health, Federal University of Agriculture, Abeokuta, Nigeria   |
| xi   | PHONE NUMBER              | +2348035700959   |
| xii  | E-MAIL ADDRESS            | <a href="mailto:bayomiola@yahoo.cm">bayomiola@yahoo.cm</a> ,<br><a href="mailto:bayomiola@gmail.com">bayomiola@gmail.com</a><br><a href="mailto:akinolaos@funaab.edu.ng">akinolaos@funaab.edu.ng</a> |
| xiii | PRESENT POST AND SALARY   | Senior Lecturer(CONUASS 5/03:<br>₦3,106,304.96 per annum)  |
| xiv  | POST ON PROMOTION         | Reader   |

## 02 EDUCATIONAL BACKGROUND

### (A) EDUCATIONAL INSTITUTIONS ATTENDED WITH DATES

- |     |   |               |
|-----|---|---------------|
| i   | Federal University of Agriculture, Abeokuta   | - 2006 - 2011 |
| ii  | Federal University of Agriculture, Abeokuta   | - 2000 – 2002 |
| iii | Federal University of Agriculture, Abeokuta   | - 1993 – 1999 |
| iv  | Omole Grammar School, Ikeja, Lagos            | - 1985 – 1991 |
| v   | Local Government Primary School, Ikeja, Lagos | - 1978 - 1985 |

### (B) ACADEMIC AND PROFESSIONAL QUALIFICATIONS WITH DATES

- |     |  |              |
|-----|--|--------------|
| i   | Registered Animal Scientist              | - 2011       |
| ii  | PhD (Non-Ruminant Production)            | - Feb., 2011 |
| iii | M. Agric. (Non-Ruminant Production)      | - July, 2002 |
| iv  | B. Agric. (Animal Production and Health) | - Feb., 1999 |
| v   | Senior School Certificate                | - 1992       |
| vi  | Primary School Leaving Certificate       | - 1985       |

### (C) PRIZES, HONOURS, SCHOLARSHIP, NATIONAL AND INTERNATIONAL RECOGNITION

- |     |  |                |
|-----|--|----------------|
| i   | Alexander Von Humboldt, Foundation Research Grant, Germany – Tenable in University of Kiel to conduct PhD research under Prof. Andreas Susenbeth and Prof. Eva Schlecht of the University of Kassel. | - 2009         |
| ii  | Travel Grant to attend Tropentag Conference at University of Hamburg sponsored by Alexander Von Humboldt with support from University of Kiel /University of Kassel, Germany.                        | - Sept., 2009  |
| iii | Travel Grant to attend the Conference of the Society of Nutrition Physiology at University of Gottingen. Sponsored by Alexander Von  | - March., 2010 |

Humboldt with support from University of Kiel /University of Kassel, Germany.

**03 WORK EXPERIENCE**

- i Nubreed Farm Nigeria Limited – Farm Manager - 2004 – 2005
- ii Obasanjo Farm Holdings – Feedmill Supervisor - 2005 – 2006
- iii Teaching experience at Federal University of Agriculture, Abeokuta - Jan. 2008 to date
- iv University of Agriculture, Abeokuta – Assistant Lecturer - Jan.2 2008 – Feb. 22, 2011
- v Federal University of Agriculture, Abeokuta – Lecturer II - Feb. 23, 2011-Feb. 22, 2014
- vi Federal University of Agriculture, Abeokuta – Lecturer I - Oct.1, 2014 – Oct. 1, 2017
- vii Federal University of Agriculture, Abeokuta–Senior Lecturer - Oct 1, 2017 to date

**I teach the following courses:**

**2007/2008 Academic Session**

Course code	Course Title	Unit	No. of students	No. of Lecturers
APH302	Non-ruminant Animal Production	3	854	3
APH508	Hatchery Technology & Management	3	79	4
APH505	Animal Products and By-Products	3	262	5
AGS597	Seminar I	1	79	10
AGS598	Seminar II	1	79	10
AGP599	Project	4	2	1

**2008/2009 Academic Session**

Course code	Course Title	Unit	No. of students	No. of Lecturers
APH302	Non-ruminant Animal Production	3	696	3
APH505	Animal Products and By-Products	3	262	5
AGS597	Seminar I	1	73	12
AGS598	Seminar II	1	73	12
AGP599	Project	4	6	1

**2009/2010 Academic Session**

Course code	Course Title	Unit	No. of students	No. of Lecturers
APH302	Non-Ruminant Production	3	925	4
APH505	Animal Products and By-Products	3	284	5
AGS597	Seminar I	1	75	12
AGS598	Seminar II	1	75	12
AGP599	Project	4	6	1

<b>2010/2011 Academic Session</b>				
<b>Course code</b>	<b>Course Title</b>	<b>Unit</b>	<b>No. of students</b>	<b>No. of Lecturers</b>
APH302	Non-Ruminant Production	3	851	6
APH505	Animal Products and By-Products	3	240	5
AGS597	Seminar I	1	78	12
AGS598	Seminar II	1	78	12
AGP599	Project	4	6	1
PDA705	Commercial pig production	3	4	1

<b>2011/2012 Academic Session</b>				
<b>Course code</b>	<b>Course Title</b>	<b>Unit</b>	<b>No. of students</b>	<b>No. of Lecturers</b>
APH302	Non-Ruminant Production	3	1118	6
APH505	Animal Products and By-Products	3	297	5
AGS597	Seminar I	1	83	12
AGS598	Seminar II	1	83	12
AGP599	Project	4	7	1
PDA705	Commercial pig production	3	7	1

<b>2012/2013 Academic Session</b>				
<b>Course code</b>	<b>Course Title</b>	<b>Unit</b>	<b>No. of students</b>	<b>No. of Lecturers</b>
APH302	Non-Ruminant Production	3	1307	5
APH505	Animal Products and By-Products	3	375	5
AGS597	Seminar I	1	93	12
AGS598	Seminar II	1	93	12
AGP599	Project	4	5	1
PDA705	Commercial pig production	3	7	1

<b>2013/2014 Academic Session</b>				
<b>Course code</b>	<b>Course Title</b>	<b>Unit</b>	<b>No. of students</b>	<b>No. of Lecturers</b>
APH302	Non-Ruminant Production	3	1397	7
APH505	Animal Products and By-Products	3	375	5
AGS597	Seminar I	1	90	12
AGS598	Seminar II	1	90	12
AGP599	Project	4	5	1
PDA 705	Commercial pig production	2	4	1

<b>2013/2014 Academic Session</b>				
<b>Course code</b>	<b>Course Title</b>	<b>Unit</b>	<b>No. of students</b>	<b>No. of Lecturers</b>
APH302	Non-Ruminant Production	3	1397	7
APH505	Animal Products and By-Products	3	375	5
AGS597	Seminar I	1	90	12
AGS598	Seminar II	1	90	12
AGP599	Project	4	5	1
PDA 705	Commercial pig production	2	4	1

<b>2014/2015 Academic Session</b>				
<b>Course code</b>	<b>Course Title</b>	<b>Unit</b>	<b>No. of students</b>	<b>No. of Lecturers</b>
APH302	Non-Ruminant Production	3	1470	8
APH505	Animal Products and By-Products	3	546	5
AGS597	Seminar I	1	112	12
AGS598	Seminar II	1	112	12
AGP599	Project	4	7	1
PDA709	Abattoir Design and Operation	3	-	1
PDA705	Commercial pig production	2	4	1
APH 706	Swine Production	3	8	2

<b>2015/2016 Academic Session</b>				
<b>Course code</b>	<b>Course Title</b>	<b>Unit</b>	<b>No. of students</b>	<b>No. of Lecturers</b>
APH302	Non-Ruminant Production	3	1654	8
APH505	Animal Products and By-Products	3	550	8
AGS597	Seminar I	1	83	18
AGS598	Seminar II	1	83	18
AGP599	Project	4	7	1
PDA709	Abattoir Design and Operation	3	-	1
APH705	Commercial pig production	3	7	1
APH 706	Swine Production	2	8	2

<b>2016/2017 Academic Session</b>				
<b>Course code</b>	<b>Course Title</b>	<b>Unit</b>	<b>No. of students</b>	<b>No. of Lecturers</b>
APH311	Non-Ruminant Production	2	1500	8
APH505	Animal Products and By-Products	3	600	8
AGS597	Seminar I	1	135	18
APH 304	Introduction to Microbiology of Livestock Products	2	130	4
AGS598	Seminar II	1	135	18
AGP599	Project	4	8	1
APH 806	Swine Production	3	6	2
APH 705	Commercial pig production	2	8	1

<b>2017/2018 Academic Session</b>				
<b>Course code</b>	<b>Course Title</b>	<b>Unit</b>	<b>No. of students</b>	<b>No. of Lecturers</b>
APH311	Non-Ruminant Production	2	1500	8
APH505	Animal Products and By-Products	3	620	8
APH 304	Introduction to Microbiology of Livestock Products	2	130	4
AGS597	Seminar I	1	135	18
AGS598	Seminar II	1	135	18
AGP599	Project	4	8	1
APH 806	Swine Production	3	14	2
PDA709	Abattoir Design and Operation	3	-	1

<b>2018/2019 Academic Session</b>				
<b>Course code</b>	<b>Course Title</b>	<b>Unit</b>	<b>No. of students</b>	<b>No. of Lecturers</b>
APH311	Non-Ruminant Production	2	1450	7
APH505	Animal Products and By-Products	3	112	6
APH 304	Introduction to Microbiology of Livestock Products	2	94	4
AGS597	Seminar I	1	112	18
AGS598	Seminar II	1	112	18
AGP599	Project	4	5	1
APH 705	Commercial pig production	2	1	2
APH 806	Swine Production	3	14	3

<b>2019/2020 Academic Session</b>				
<b>Course code</b>	<b>Course Title</b>	<b>Unit</b>	<b>No. of students</b>	<b>No. of Lecturers</b>
APH311	Non-Ruminant Production	2	1718	6
APH505	Animal Products and By-Products	3	107	6
APH 304	Introduction to Microbiology of Livestock Products	2	166	4
AGS597	Seminar I	1	96	27
AGS598	Seminar II	1	96	27
AGP599	Project	4	5	1
APH 705	Commercial pig production	2	-	-
APH 806	Swine Production	3	14	3

#### **04. SPECIAL ASSIGNMENTS/COMMUNITY SERVICE**

- i. Member, College Board of Animal Science and Livestock Production - 2008 till date
- ii. Member, Pig Management Technical Committee - 2008 – 2019
- iii. College Representative, WEBOMETRICS - 2011 – 2016
- iv. Member, Local Organizing Committee, 4<sup>th</sup> Nigeria International Poultry Summit (NIPS) held at the Federal University, Abeokuta, Nigeria. - Feb.17-21, 2013
- v. Resource Person in Capacity-Building Training Workshop on Pig Production for Selected Secondary School Students in Ogun State. Organised by Agriculture Media Resources and Extension Centre, University of Agriculture, Abeokuta - May 24<sup>th</sup>, 2012.

- vi. Departmental Examination/Result Officer - 2015 - 2019
- vii. Departmental Level Adviser to 300 Level Students - 2012 - till date
- viii. College Representative, ICTREC Management Board - 2017- till Date
- ix. Departmental Welfare/ Equipment Procurement Coordinator - 2015 - Till Date
- x. Chairman, Pig Management Technical Committee - 2019 – till Date
- xi. Zonal Leader, Deeper Life Bible Church, Asero District, Asero, Abeokuta. - 2011-2012
- xii. Electronic Leader, Deeper Life Bible Church, Asero District, Asero, Abeokuta. - 2010 -2012
- xiii. Member, International Fellowship League, Deeper Life Bible Church, Abeokuta. - 2011-till date
- xiv. Co-ordinator, Deeper Life Bible Church, Asero District, Asero, Abeokuta - 2012-till date
- xv. Member, Local Organizing Committee, 4<sup>th</sup> Nigeria International Poultry Summit (NIPS) held at the Federal University of Agriculture, Abeokuta, Nigeria. - February 17-21, 2013.
- xvi. Member of CDA, Apakila, Camp, Abeokuta - 2018-Till date
- xvii. Auditor, Ire-Akari/ Apakila CDA, Camp, Abeokuta - 2020 till date

**05. TRAINING PROGRAMMES ATTENDED WITH DATES**

- i. ITOCA R – Resources National Training-of-Trainer Course for AGORA, INHARI e.t.c. Held at University of Agriculture, Abeokuta, Nigeria. - 7-9<sup>th</sup> of June, 2011
- ii. Training workshop on the preparation and vetting of students’ result held at Federal University of Agriculture, Abeokuta. - 7<sup>th</sup> June, 2013.
- iii. Training on Modern Methods of Teaching and Learning in Higher Education organized by CISLT at Federal University of Agriculture, Abeokuta - 25-26<sup>th</sup> Jan. 2016

**06. COMMENDATION: NIL**

**07. MEMBERSHIP OF PROFESSIONAL BODIES**

- i. Nigerian Society for Animal Production
- ii. Animal Science Association of Nigeria
- iii. World Poultry Science Association (Nigerian Branch)
- iv. Nigerian Institute of Animal Science

**08. RESEARCH INTEREST OR COMMISSIONED PROJECTS**

## Completed Research Projects

- i. Performance of growing pigs fed diet containing poultry waste replacing soyabean.
- ii. Response of growing pigs fed diet containing cassava peel and leaf mixture supplemented with organic acid and enzyme.
- iii. The effect of corn germ and corn gluten in replacing maize and soya bean on broiler performance
- iv. Effect of strip dimension on the drying time and storage quality of pork and beef.

## Research in Progress

- i. Use of blood meal and copral meal in the diet of growing pigs
- ii. Digestibility of copral meal by broiler chicken
- iii. Use of insect meal in the diet of growing pigs.

## 09 PUBLICATIONS

### (A.) Project, Dissertation and Thesis

- i. Akinola, O.S. 1999. Haematology and Carcass characteristics of Broiler Fed melon Pod husk based diets. B. Agric.Project, University of Agriculture, Abeokuta, Nigeria. Pp. 1-45.
- ii. Akinola, O. S. 2002. The Utilization of Fermented & Alkaline treated Sorghum sprout in the Diet of Broilers. M. Agric. Dissertation, University of Agriculture, Abeokuta, Nigeria. Pp. 1-82.
- iii. Akinola, O. S. 2011. Nutritive value of shrimp waste meal and cassava by-product in diet of growing pigs. PhD Thesis. University of Agriculture, Abeokuta, Nigeria. Pp. 1-166

### (B.) Journal Articles Published:

1. **Akinola O. S.** and S. S. Abiola (1999). Blood Chemistry and Carcass Yield of Cockerels Fed Melon Husk Diets. *Tropical Journal of Animal Science*. 2 (2): Pp 39-44. Published by Animal Science Association of Nigeria (ASAN). Online: [www.ajol.info/index.php/tjas/article/view/49680](http://www.ajol.info/index.php/tjas/article/view/49680).
2. **Akinola, O. S.**, Fanimu, A. O., Eruvbetine, D. and Biobaku, W. O. (2006) Utilization of fermented and alkaline treated malted sorghum sprouts by broiler chickens. *Journal of Agricultural Sciences, Environmental and Technology (ASSET)* Series A6 (1): 297-308. Published by: FUNAAB Journals, Federal University of Agriculture, Abeokuta.
- 3<sup>F</sup>. Anele, U.Y., Arigbede, O.M., Südekum, K.H., Oni, A.O. Jolaosho, A.O. Olanite, A.I. Adeosun, P.A. Dele, K.A. Ikea, **O.S. Akinola** (2009). Seasonal chemical composition, in vitro fermentation and in sacco dry matter degradation of four indigenous multipurpose tree species in Nigeria. *Animal Feed Science and Technology* 154, 47–57. Online: [www.sciencedirect.com/science/article/pii/S0377840109002557](http://www.sciencedirect.com/science/article/pii/S0377840109002557). Published by: **ELSIVIER, NETHERLANDS.**

- 4<sup>F</sup>. Olaniyi, O.A. Oyenaiya, O.A., Sogunle, O.M., **Akinola, O.S.**, Adeyemi O.A. And Ladokun A.O. (2012). Free range and deep litter housing systems: effect on performance and blood profile of two strains of cockerel chickens. *Tropical and Subtropical Agroecosystem*, 15:511–523. Online: [www.veterinaria.uady.mx/ojs/index.php/TSA/article/view/1408](http://www.veterinaria.uady.mx/ojs/index.php/TSA/article/view/1408). Published by: Universidad Autónoma de Yucatán, **MEXICO**
- 5<sup>F</sup>. Sogunle, O.M. Olaniyi, O.A. Egbeyale, L.T. **Akinola, O.S.** Shittu, T.A., Abiola, S.S. Ladokun, A.O. And Sobayo, R.A. (2013). Free range and deep litter production systems: Effect on performance, carcass yield and meat composition of cockerel chickens. *Tropical Animal Health and Production*, 45:281–288. Online: <http://dx.doi.org/10.1007/s11250-012-0213-2>. Published by: **Springer, Part of Springer Science+Business Media, USA.**
- 6<sup>F</sup>. **Akinola, O. S.**, Alabi, J. O., Fafiolu, A. O., Adedayo, F. T., Sogunle, O. M., Oduguwa, O. O., Fanimó, A. O. 2013. Nutritive value of fermented and amino acid-supplemented malted sorghum sprouts for growing pigs. *Tropical Animal Health and Production*, 45, 657–663. Online: <http://dx.doi.org/10.1007/s11250-012-0273-3>. Published by: Springer, Part of Springer Science+Business Media, USA.
- 7<sup>F</sup>. **Akinola, o. S.**, Fanimó, A.O., Agunbiade, J. A., Andreas Susenbeth and Eva Schlecht. 2013. Cassava root peel as a replacement for maize in diets for growing pigs: effects on energy and nutrient digestibility, performance and carcass characteristics. *Journal of Agriculture and Rural Development in the Tropics and Subtropics (JARTS)*. 114,2:159–166. Published by: German Institute for Agriculture in the Tropics and Subtropics, University of Kassel, Faculty of Organic Agricultural Sciences, Germany. Online: [www.jarts.info/index.php/jarts/article/view/2013112644621](http://www.jarts.info/index.php/jarts/article/view/2013112644621). **GERMANY.**
- 8<sup>F</sup>. Oso, A.O. Williams, G.A., Jegede, A.V., Sobayo, R.A., Idowu, O.M.O., Fafiolu, A.O., Sogunle, O.M., **Akinola, O.S.**, Adeleye, O.O. Olorunsola, I.A.R., Ogunade, I.M., Osho, S.O. Obadire, F.O., Bamgbose, A.M. (2014). Effect of combination of whole millet feeding and mannan oligosaccharides supplementation on growth performance, serum biochemistry and relative organ weights of growing guinea fowl (*Numidia meleagris*). *Livestock Science* 159:46-52. Published by: **ELSIVIER Ltd, Oxford, U.K.** Online:<http://dx.doi.org/10.1016/j.livsci.2013.10.020>. **UNITED KINGDOM.**
9. **Akinola O.S.**, Emoruwa, O.O., Agunbiade, J.A., and Fanimó, A.O. 2014. Performance of starter and finisher broiler chickens fed unpeeled cassava root meal based diets supplemented with free amino acids. *Nigeria Poultry Science Journal*, 11: 181-187.
10. Abel, F. A. S., Eruvbetine, D., Sogunle, O.M., Owolai, F. O. Elemo, E. N., Onyibe, J., **Akinola O. S.** and Adeyemi, O. A. (2014). Response of Finishing Broilers Chickens to Different Stocking Densities and Quantitative Feeding Regimes. *International Journal of Applied Research and Technology*, 3(7): 83-88. ISSN2277-0585. Online:<http://www.esxpulishers.com/images/IJRT-0614-0224.pdf>.
- 11<sup>F</sup>. **Akinola, O.S.**, Onakomaiya, A.O., Agunbiade, J. A., Oso, A.O. 2015. Growth performance, apparent nutrient digestibility, intestinal morphology and carcass traits of broiler chickens fed dry, wet and fermented-wet feed. *Livestock science*, 177: 103-109.
- 12<sup>F</sup>. Njoku, C.P., Adeyemi, O.A., Sanya, B.J., **Akinola, S.O.** and Oluwatosin, O.O. 2015. Physiological response of growing pigs to qualitative and quantitative feed restriction in a humid tropical environment. *Malaysian Journal of Animal Science*, 18(2): 125-140.
13. Irekhore, O.T., Adeyemi, O.M., Idowu, O.M.O., **Akinola, O.S.** and Bello, K. O. 2015. Growth Performance, Haematological indices and Cost benefits of growing pigs fed cassava peel diets supplemented with Allzyme®SSF. *International Journal of Applied Agricultural and*

- Apicultural Research*, 11(1& 2): 51-59. Online: <https://www.ajol.info/index.php/ijaaar/article/viewFile/141567/131310>. NIGERIA
- 14<sup>F</sup>. Obasa, O.A., Adeyemi, O.A., **Akinola, O.S.**, Sobayo, R.A., Njoku, C.P. and Olaifa, R.O. 2016. Growth performance, haematology and cost benefit of growing rabbits reared on different feed access times and restriction durations. *Malaysian Journal of Animal Science*. 19(1): 43-56.
- 15<sup>F</sup>. **Akinola, O. S.**, Fanimo, A. O., Agunbiade, J. A., Andreas Susenbeth and Eva Schlecht. 2016. Feed value of enzyme supplemented cassava leaf meal and Shrimp meal in pigs. *Bulletin of Animal Health and Production*, **64**, 69-82.
16. Sogunle, O. M. Ogundele, M. A., **Akinola, O. S.**, Njoku, C. P. and Oso, A. O. 2016. Effect of Different Housing systems on Growth Performance and Carcass yield of Two breeds of Turkey. *Bulletin of Animal Health and Production* **63:209-219**.
17. **Akinola, O. S.**, Akinsanya, E. O., Giwa R. T. and Sanwo, K. A. 2019. Effect of strip dimensions on drying characteristics and Organoleptic properties of beef and pork. *Journal Animal Production Research*. 31(1):155-162. Online on: <http://journals.napri.gov.ng/index.php/japr/issue/view/25/showToc>
18. **Akinola, O. S.\***, Dosunmu, O. A., Njoku, C. P., Jegede, A. V. 2019. Response of broiler chickens fed wet and fermented feed Supplemented with organic acids. *Nigeria Poultry Science Journal*. Vol. 14, 47-63.
19. **Akinola, O. S.**, Akintola, K. A. and Oluwatosin, O. O. 2020. Infertile egg meal can replace fishmeal in broiler chicken diet. *Nigerian Journal of Animal Production*, 47(2):131 – 143. Online:<http://njap.org.ng/index.php/njap/article/view/113/94>
20. Obajuluwa, O. V., Sanwo, K. A., **Akinola, O. S.**, Sobukola, O. P., Adeola, A.V. and Faloye, O. R. 2020. Effect of unconventional marinades on beef quality. *Nigerian Journal of Animal Production*, 2020, 47(1):90 – 99. Online: <http://njap.org.ng/index.php/njap/article/view/193/162>
21. Ajibike, A. B., Ilori, B.M., **Akinola, O. S.**, Awodiya, B. M., Durosaro, S. O., Wheto, M., Adebambo, A. O. 2020. Assessing the genetic diversity of South-western Nigerian Indigenous Pig (*Sus scrofa*) using mitochondrial DNA D-loop sequence. *Nigerian Journal of Animal Science*, 2020 Vol 22 (3): 1-9 (ISSN:1119-4308).

#### **F – Foreign / offshore International Journal outlets**

##### **(C) Papers in Refereed Conference Proceedings:**

22. Fanimo A. O. and **Akinola, O. S.** (2006). Response of broiler chicken to raw and processed malted sorghum sprout. *Proceedings of XII European Poultry conference*, Verona, Italy. 10-14<sup>th</sup> Sept, 2006.
23. A. V. Jegede, A. O. Fafiolu, **O. S. Akinola**, O. A. Oso, E. A. Ayandele and A. S. Osunbuyide. 2008. Performance characteristics of weaner rabbits fed natural and Alkaline Fermented Malted Sorghum Sprout (MSP). *Proceedings of 13<sup>th</sup> Annual Conference Animal Science Association of Nigeria*, Sept. 15-19, 2008. Ahmadu Bello University Zaria Pp. 433-435.
24. **Akinola O. S.**, Amos O. Fanimo, J. Adeniyi Agunbiade, Andreas Susenbeth and Eva Schlecht. 2011. Cassava root peel as a replacement for maize in diets for growing pigs: effect on

- performance. In: A.O. Adukwu, T. Oluwagbemi, S. O. Aribido, S. I. Daikwo, O. J. Saliu (eds), Research and value-addition: key to transformation of the Nigerian livestock industry. ASANYIGBA 2011, held at Kogi State University, Anyigba, Kogi State, Nigeria, between 12<sup>th</sup> - 15<sup>th</sup> September, 2011. Pp 283-286. (Proceeding).
- 25<sup>F</sup>. **O. S. Akinola**, Tijani A. Oladipupo, Adekemi Y. Agbaje, Olajide M. Sogunle. 2011. Developing Predictive Equations for Pigs Body weight from linear Body Measurements at Different Phases of Growth. In: G.T. Mathias Becker, Christine Kreye, Christina Ripken, Eric Tielkes (eds), **International Research on Food Security, Natural Resource Management and Rural Development. Tropentag 2011**, held at University of Bonn, Bonn, Germany, between 5-7<sup>th</sup>, October, 2011. Pp 362. (Book of Abstract).
- 26<sup>F</sup>. Jamiu-Azeez, S. O., Fafiolu, A. O., Jegede, A. V., Oduguwa, B. O., **Akinola, O. S.**, Daramola, J. O., Oso, A. O., Oduguwa, O. O. 2012. Performance and Cost Evaluation of Broilers fed Composite feeds containing processed Cassava leaf and Cassava peels supplemented with xylanase. In: The roots (and tubers) of development and climate change. **Books of Abstracts of 16<sup>th</sup> Triennial symposium International for Tropical Roots Crops (ISTRC)**, R.U. Okechukwu, L.O. Sanni, A.A. Adebawale, H. Bodude, D. Erubetine, M. Idowu, O. Atanda, A. Dipeolu, A.I. Ayinde, A.O. Obadina, O.P. Sobukola and K. Adebayo (Eds). 281. Published by ISTRC, Abeokuta, Nigeria.
- 27<sup>F</sup>. **Akinola O.S.**, Emoruwa, O. O., Asiru, I.A., Agunbiade, J.A., Fanimu, A.O., Oduguwa, O.O. 2012. Performance of Starter and Finisher Broilers fed Unpeeled Cassava Root Meal based diets supplemented with free Amino acids. **Books of abstracts of 16<sup>th</sup> Triennial symposium International for Tropical Roots Crops (ISTRC)**, R.U. Okechukwu, L.O. Sanni, A.A. Adebawale, H. Bodude, D. Erubetine, M. Idowu, O. Atanda, A. Dipeolu, A.I. Ayinde, A.O. Obadina, O.P. Sobukola and K. Adebayo (Eds). 216. Published by ISTRC, Abeokuta, Nigeria.
- 28<sup>F</sup>. Jamiu-Azeez S.O., Jegede A.V., Fafiolu A.O., Oduguwa, B.O., Oso A.O., **Akinola O.S.**, Daramola J.O., Oduguwa, O.O. 2012. Nutrients Utilization and Haematological Parameters of Broiler chickens fed Diets based on Cassava Products supplemented with an exogenous enzyme. **Books of abstracts of 16<sup>th</sup> Triennial symposium International for Tropical Roots Crops (ISTRC)**, R.U. Okechukwu, L.O. Sanni, A.A. Adebawale, H. Bodude, D. Erubetine, M. Idowu, O. Atanda, A. Dipeolu, A.I. Ayinde, A.O. Obadina, O.P. Sobukola and K. Adebayo (Eds). 341. Published by ISTRC, Abeokuta, Nigeria.
- 29<sup>F</sup>. Olagoke A. Olaniyi, Olajide M. Sogunle, Lawrence T. Egbeyale, Taofeek A. Shittu, **Olufemi S. Akinola** and Samuel S. Abiola. 2012. Performance and Carcass yield of two strains of cockerel chickens on free range and deep litter production systems. World's Poultry Science Journal, Supplement 1, **Expanded Book of Abstracts of World Poultry Science** held in Salvador - Bahia - Brazil • 5 - 9 August – 2012.
30. A. V. Jegede, O. O. Oduguwa, O. M. O. Idowu, A. O. Oso, A. O. Fafiolu, R. S. Sobayo, **O. S. Akinola**. 2013. Effect of dietary organic and inorganic copper sources on blood and yolk cholesterol and copper residue in egg yolk of laying chicken. (Abstract). **World Poultry Science Association (UK Branch) Annual meeting**. April 16-17, 2013, Jubilee Campus, Nottingham University.
31. O. M. Adeyemi, O. T., Irekhore, O. M. O., Idowu, **O. S. Akinola** and K. O. Bello 2015. Growth performance and cost benefit of feeding growing pigs with cassava peel meal-based diets supplemented with a commercial enzyme. **Proceeding of 40<sup>th</sup> Annual Conference of Nigeria Society for Animal Production**, 15-19<sup>th</sup> March, 2015. NAPRI/ABU, Zaria. Pp. 403-406.

32. **Akinola, O. S.**, Adeteju, W. A., Jegede, A.V., and Ajayi, G. A. 2016. Effect of Garlic (*Allium Sativa*) and Ginger (*Zingiber Officinalis*) on performance, backfat thickness and longissimusdorsi muscle measurements of growing pigs. **Proceeding of 41<sup>st</sup> Conference Nigeria Society for Animal Production**, 20-24 March, 2016. Federal University of Agriculture, Abeokuta, Ogun State, Nigeria. Pp. 973-976.
33. **Akinola, O. S.**, Akintola, K. A., Abiola, S. S. 2018. Replacement of Fishmeal with Reject Infertile Egg Meal: Effects on the Growth Performance of Broiler Chicken. **Proceeding of 43<sup>rd</sup> Annual Conference of the Nigerian Society for Animal Production**, March 18<sup>th</sup> – 22<sup>nd</sup> 2018, FUT Owerri, Nigeria. Pp. 585-587.
34. **Akinola, O. S.**, Olaniyi, M. B., Jegede, A. V., Akinsaya, E. O. and Ajayi, G.A. 2018. Growth Performance, Back Fat Thickness and Loin Eye Area Measurements of Growing Pigs Fed with Different Energy Sources. **Proceeding of 43<sup>rd</sup> Annual Conference of the Nigerian Society for Animal Production**, March 18<sup>th</sup> – 22<sup>nd</sup> 2018, FUT Owerri, Nigeria. Pp. 588-590.
35. Akinsanya, E.O., **Akinola, O.S.**, George, J. S. 2019. Effect of meat type and packaging materials on the microbial Property of stored dried meat strips. **Proceeding of 44<sup>th</sup> Conference Nigerian Society for Animal Production**, 17<sup>th</sup> -21<sup>st</sup> March, 2019. University of Abuja, Abuja, Nigeria. Pp. 18-21.
36. **Akinola, O.S.**, Ayansola, E. I., Williams, G.A., Oso, A.O., Egbeyale, L. T. 2020. Growth performance and serum metabolites of growing pigs fed Microbial degraded cassava peel-leaf meal diet. **Proceeding of 45<sup>th</sup> Conference Nigeria Society for Animal Production**, 15<sup>th</sup> -19<sup>st</sup> March, 2020. Abubakar Tafawa Balewa University and Federal Polytechnic, Bauchi, Nigeria. Pp. 1131-1135.

**“F” – Proceedings of foreign as International conference**

#### **10. MAJOR CONFERENCES AND WORKSHOPS ATTENDED WITH DATES**

1. **Nigerian Society for Animal Production**. Theme: “New Technologies for Enhanced Animal Production in Nigeria”. Held on March, 2016 at Federal 41<sup>st</sup> University of Agriculture, Abeokuta, Nigeria.
2. **7<sup>th</sup> Annual General Conference of Nigerian Institute of Animal Science and 20<sup>th</sup> Annual General Conference of Animal Science Association of Nigeria**. “4<sup>th</sup> ASAN-NIAS Joint Annual meeting “. Held on Sept. 6-10, 2015 at University of Ibadan, Nigeria
3. 4<sup>th</sup>Annual Conference of Nigeria international Poultry Summit (NIPS) held at Federal University of Agriculture, Ogun State, Nigeria between 17<sup>th</sup>-21<sup>th</sup> February, 2013.
4. **16<sup>th</sup> triennial symposium international society for tropical root crops** held at Federal University of Agriculture, Ogun State, Nigeria between 23<sup>rd</sup> – 28<sup>th</sup> September, 2012.
5. The 15<sup>th</sup> Annual Conference of Animal Science Association of Nigeria held at Kogi State University, Anyigba, Kogi State, Nigeria between 12-15<sup>th</sup> September, 2011.
6. **Tropentag 2009 - International Research on Food Security, Natural Resource Management and Rural Development**. Theme: “Biophysical and Socio-economic Frame Conditions for the Sustainable Management of Natural Resources”. Held on October 6 - 8, 2009 at Hamburg, Germany.
7. **64<sup>th</sup> Conference of the Society of Nutrition Physiology, 2010**.Held from 9th - 11th March 2010 in Gottingen.

8. **7<sup>th</sup> Annual General Conference of Nigerian Institute of Animal Science and 20<sup>th</sup> Annual General Conference of Animal Science Association of Nigeria.** “4<sup>th</sup> ASAN-NIAS Joint Annual meeting “. Held on Sept. 6-10, 2015 at University of Ibadan, Nigeria
9. **44<sup>th</sup> Annual Conference of Nigeria Society for Animal Production.** Theme: “Repositioning the Livestock Industry for Sustainable Economic Development in a Diversifying Economy”. Held on 17<sup>th</sup> -21<sup>st</sup> March, 2019. University of Abuja, Abuja, Nigeria.

**11. INFORMATION ON FELLOWSHIP, MASTER’S PROJECT AND PH.D. THESIS SUPERVISED:**

**(a.) Postgraduate Diploma Projects Supervised**

S/N	Title of Project	Name of Student/ Matric No	Year of Commence ment	Completed/On- going	Sole/Collaborative Supervision
1	Effect Of Housing Systems On Productive Performance Of Laying Hens.	Daramola, O.M. (PG/10/0077)	2010/2011	<b>Completed</b>	Major Supervision
2	Utilization of Hatchery waste by broilers	Akintola K. A. (PG11/00147)	2011/2012	<b>Completed</b>	Major Supervision
3	Effect of condition of feed on the performance and carcass of Broiler chicken	Onakumaya, A.O. (PG11/0157)	2011/2012	<b>Completed</b>	Major Supervision
4	Effects of Feed Forms and Toxin Binder on the Performance, Blood Parameters and Carcass Characteristics of Broiler Chickens	Anifowose T.T. (PG12/0190)	2012/2013	<b>Completed</b>	Major Supervision
	Assessing digestibility with the use of markers	Aworinde, P. A. (PG/13/0338)	2013/2014	<b>Completed</b>	Major Supervision
	Faecal Examination of West African Dwarf Goat Fed Goat Diet With Polyunsaturated Fatty Acid	Opayemi O. T. (PG/13/0243)	2013/2014	<b>Completed</b>	Major Supervision

**(b.) Post Graduate Supervision (M. Agric. Dissertation) – Collaboratively supervised**

S/N	Title of Project	Name of Student/ Matric No.	Degree	Status of Supervision	Completed/ On-going
1	Effect of Housing systems on Growth Performance, Reproductive Organ Development and Blood Profile of Two Strain of Egg-Type Chicken	Okusolubo, Oluwatoyin, X (PG10/0080)	M. Agric.	Co-supervisor	Completed
2	Performance, Carcass yield and blood parameter of two breeds of Turkey on different housing systems	Ogundele, Muideen A. (PG11/0179)	M. Agric.	Co-supervisor	Completed
3	The quality of meat sausage from Broiler chicken reared under different housing systems.	Ajayi Olaoluwa J. (PG11/0167)	M. Agric.	Co-supervisor	Completed
4	Assessment of quality characteristics and processing yield of pre- and post-rigor rabbit meat.	Akindele, W. O. (PG05/0006)	M. Agric.	Co-supervisor	Completed
5	Response of Growing pigs to Cassava peel meal-based diets supplemented with ALLZYME SSF	Adeyemi, Michael O. (PG11/0121)	M. Agric.	Co-supervisor	Completed
6	Effect of Oestrogen follicle stimulating Hormone on litter of three breeds of pigs	Towoju Olufemi P. (PG10/0011)	M. Agric.	Co-supervisor	On-going
7	Quality characteristics and processing yield of Chicken Sausage containing African basil leaf powder in natural and artificial casings.	Dele Olufunke (PG12/0176)	M. Agric.	Co-supervisor	Completed
8	Response of growing pig to diet containing cassava peel leaf meal supplemented with enzyme and organic acid	Ajayi, G. A. 13/0036	M. Agric.	Major supervisor	On-going
9	The response of egg-type chicken to oral administration to edible mushroom extract	Ogundele, M. A. PG11/0179	PhD	Co-supervisor	Completed
10	Response of Broiler Chickens to Dry, Wet and OR Feeds Supplemented with Organic Acids	Dosunmu, O.A. 13/0132	M. Agric.	Major Supervisor	Completed

11	Effect of inclusion of Nanotech premix (ATOVI) on performance, Nutrient utilization, haematology, carcass and energy utilization of broiler chicken.	Abiodun, K.M. PG12/0137	M. Agric.	Co-supervisor	On-going
12	Effect of substituting maize with cassava peel/leaf meal with pelleting and organic acid on performance of rabbit	Oladimeji, O.R. PG14/1030	M. Agric.	Major Supervisor	Completed
13	Response of Rabbit to different housing floor types.	Abiola, M. M. PG14/0859	M. Agric.	Co-Supervisor	Completed
14	Response of Grower Rabbits fed Graded levels of Chromolaena Odorata leaf meal-based multi-nutrient feed block as replacement for commercial pellets.	Okanlawon, E.O. PG13/0160	M. Agric.	Co-Supervisor	Completed
15	Performance and bone morphometry of two strains of chicken of different housing	Olaifa, R. O. PG12/0181	M. Agric.	Co-Supervisor	Completed
16	Meat quality and lipid peroxidation of broiler chicken fed diet containing clove powder	Ogunbayode, O. T. PG13/0201	M. Agric.	Co-Supervisor	Completed
17	Effect of pre-starter diets on performance, blood, gut Morphology and carcass characteristics of broiler chickens.	Ajayi, O. I. PG13/0155	M. Agric.	Co-supervisor	Completed
18	Performance and carcass evaluation of Rabbit fed Urea-Molasses Block with Tridax as basal diet	Adebayo, A. I PG13/0359	M. Agric. ANN	Co-supervisor	Completed
19	Michondria DNA D-loop analysis of south-western Nigerian pig population	Awodiya, B. M. PG13/0601	M. Agric.	Co-supervisor	
20	Effect of strip dimensions on the drying time and storage quality of pork and beef.	Adesanya, E. PG15/0308	M. Agric.	Major Supervisor	Completed
21	Response of Broiler chicken to Corn Gluten and Corn Germ diet	Odeyemi, A. Y. PG13/0498	M. Agric.	Major Supervisor	Completed
22	Effect of Copra (Coconut) meal inclusion on growth performance, nutrient digestibility and blood parameters of growing pigs.	Adeniji, Jumoke PG15/0540	M. Agric.	Co-supervisor	Completed
23	Response of egg-type chicken on two housing types to varying levels of oyster mushroom extract	Ogundele, Muideen A. PG11/0179	PhD	Co-supervisor Completed	Completed

24	Effect of solid state fermentation of cassava peel-leaf blend with <i>Aspergillus tamarii</i> on Performance, nitrogen balance, blood indices and ileal microflora of pigs.	William, G. A. PG13/0056	PhD	Co-supervisor Completed	Completed
25	Growth performance and Serum metabolites of Growing Pigs fed Microbial Degraded Cassava Peel-Leaf meal diet.	Ayansola, E. I. PG16/0215	M. Agric.	Major Supervisor Completed	Completed
26	Response of Growing Pigs to Diets Containing Cassava Peel and Blood Meal as Replacements For Maize And Soyabean	Oyeladun, Oluwafemi Gabriel PG 17/0158	M. Agric.	Major Supervisor	On-going
27	Performance of growing pigs fed insect protein	Oladokun, Folake Racheal PG17/0006	M. Agric.	Major Supervisor	On-going
28	Response of growing rabbits fed Tumeric, Garlic, Ginger and Clove blends in milled and pellets form.	Okanlawon, E.O. PG13/0160	PhD	Co-supervisor	On-going
29	Responses Of Growing Pigs To Diet Partial Subtituted With Black Soldier Larval Meal For Soya Meal	Akintola K. A. PG17/0632	M. Agric.	Major Supervisor	On-going
30		Onuoha A. N. PG19/0109	M. Agric.	Major Supervisor	On-going
31		Oso A. R.	M. Agric.	Major Supervisor	On-going
32	Reponse of Broiler Chicken to diets containing white sorghum supplemented with or without Tannase enzyme	Olusegun O. B. PG18/0224	M. Agric.	Co- Supervisor	On-going
32		Feyisola M. O. PG18/01/0387	M. Agric.	Co- Supervisor	On-going
33	Response of Broiler to Cassava Soya mixture (CASSOYA) based diet with or without enzyme supplementation	Olowoniyi J. O. PG16/0222	M. Agric.	Co- Supervisor	Completed

12 **Extra-Curricular Activities**

- i. Backyard Poultry farming
- ii. Reading and Listening to Music

13. **REFEREES:**

**Prof O. O. Oluwatosin**

Department of Animal Nutrition,  
Federal University of Agriculture,  
P.M.B.2240, Abeokuta, Nigeria.

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**Signature**

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**Date**

## RESEARCH FOCUS AND CONTRIBUTION TO KNOWLEDGE

### Research focus

My research work over the years has been on the use of non-conventional feedstuff in the Nutrition and Production of Monogastric Animals, particularly Pigs, poultry and Rabbits. My focus is in the following areas:

1. Nutritional evaluation of processed non-conventional feedstuff and agro-industrial by-products: **Melon Pod Husk** (Paper 1) in Cockerels, **Malted sorghum sprout** (Papers 2, 6 and 23), **Cassava leaf and Shrimp waste** (Paper 15), **Cassava root peel and leaf** (Papers 7 & 26), **Cassava root meal** (Paper 9), **Infertile eggs** (Paper 20), **Other energy sources** (Papers 8, 34) as partial or total replacement of conventional energy and protein feedstuffs in poultry, Pig and rabbit feed.
  - a. Nutritional evaluation of non-conventional feedstuff and agro-industrial by-products supplemented with additives, as enzyme use in Millet (Papers 8,), Cassava leaf and shrimp waste (Paper 15). Also the use of Organic acids in feed (Paper 18). The use of free amino acid supplementation in Cassava root meal (Paper 7, 9), Sorghum (Paper 6) and Cassava root peel (Paper 7). Additionally, Ginger, Garlic and Turmeric were employed in feed (Paper 32)
  - b. Feed and agro-industrial by-product manipulation and processing: Papers 1, 2, 6,11, 18.
2. Meat Quality: Cockerel (Paper 5), Turkey (Paper16), Pork and beef (Papers 17, 36), Beef (Papers 20)
3. Feed Restrictions: Pig (Paper 12), Rabbit (Paper 14)
4. Management system: Cockerel (Papers 4, 5), Turkey (Paper16)
5. Accessing of Genetic potential of Pig (Papers 21)

### Justification for Research Areas

- a. The inappropriate and limited use of Agro-industrial by-product due primary to its high-fibre content and other anti-nutritional factors. Leading to the abandonment of many farm investments, due to the high cost and unavailability, in quantity and quality, of conventional feedstuff. this gingered my research interest in processing of agro-industrial by-products and feed manipulations for save and productive use by monogastrics.
- b. Improvement in the use of most feedstuffs by animals with the use of some feed supplement is a common knowledge. The use of non-conventional feedstuff without appropriate processing and supplementation has negatively imparted animal producers and commercial farmers, as reduced response and morbidity in animals were rampant. This motivated my research interest into the use of appropriate feed processing and supplements sufficient to combat the anti-nutritional factors and also act as growth promoters by adjusting the animal intestinal microflora to handle the agro-industrial products more efficiently to the benefit of the investors, in terms of increased animal growth and cost reduction. Papers 1, 2, 6, 7, 8, 11, 13, 16

- c. Animal genetic, diets, environment, handling and processing affects the meat quality and composition. Subsequently affecting acceptability by consumers. My research interest was geared toward addressing the knowledge gap between the occurrence of these stated factors and production of animal and animal products vis-à-vis increasing consumer's knowledge of nutrition and their subsequent demand with respect to fat composition, texture, flavour e.t.c. Papers 1, 5, 10, 15, 21, 17

**Major contributions to knowledge**

- Processing of feed (fermentation, wetting) improved its use by monogastrics.
- The utilization of Sorghum was better in rabbits than in broiler chicken, whether processed, supplemented or not.
- Use of cassava peel, even when supplemented with free amino acids, should not exceed 40% in the replacement of maize, in the diet of growing pigs, to ensure optimum performance.

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**Signature**

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**Date**