



1. Name and status:

Dr. **Adebowale** Tolulope Oluwadamilare
Extension Fellow I

2. Abridged Profile:

Dr. Adebowale Tolulope is a Monogastric Animal Nutritionist. He had his higher education at the University of Chinese Academy of Sciences, Beijing, China where he obtained his PhD degree in Animal Nutrition (2019). He had his Masters and Bachelor Degrees from the Federal University of Agriculture, Abeokuta where he graduated as the Best Graduating Student during his undergraduate study in the Department of Animal Nutrition (2010) and was in the top 2% of student during his Masters Degree Programme (2014) in the same Department. He won the prestigious CAS-TWAS Presidential Fellowship for his doctoral degree. He is a recipient of the TWAS-UNESCO visiting researcher fellowship (2021).

Dr. Adebowale Tolulope began his academic career at the Crescent University, Abeokuta as an Assistant Lecturer in 2014 before he joined the services of the Federal University of Agriculture, Abeokuta as Extension Fellow I in Agricultural Media Resources and Extension Centre of the University in 2019. He was at the Institute of Subtropical Agriculture, Hunan, China from 2016 to 2019.

He has won many international and national academic awards. Among the awards are the Chinese Academy of Sciences-The World Academy of Sciences Award for graduate studies, The World Bank African Centre of Excellence for Agriculture and Sustainable Environment Award, UNESCO-TWAS visiting researcher award, Ogun state government award for academic excellence, graduating student award for best academic performance in the Department of Animal Nutrition.

Dr. Adebowale has served in various capacities in the University. He is currently the Coordinator of Extension and Adaptive Research in the University. His research interest is in the area of dietary energy and energy composition, novel alternative protein, processing methods and biotechnology in animal nutrition. He has taught Animal Nutrition and Biochemistry courses in Crescent University, Abeokuta and the Federal University of Agriculture, Abeokuta. He is currently teaching pure Animal Nutrition courses in the Federal University of Agriculture, Abeokuta. His

extension activities covers the full gamut of sustainable agricultural practices for improved livelihoods in rural areas and application of information and communication technologies for efficient agricultural systems.

He is an erudite scholar with over 25 publications in national and international journals. He has attended conferences in different countries across the world.

Dr. Adebowale Tolulope has supervised postgraduate and undergraduate students in the University and he is currently the Chair, Demonstration Farm Establishment and Operation, Agricultural Media Resources and Extension Centre of the University.

3. Official Email address: adebowaletofunaab.edu.ng

4.

CURRICULUM VITAE

1. Personal

- | | |
|------------------------------|---|
| a. Name in Full: | ADEBOWALE, Tolulope Oluwadamilare |
| b. Date of Birth: | 1 st April, 1986 |
| c. Place of Birth: | Ibadan |
| d. Age: | 35 |
| e. Sex: | Male |
| f. Marital Status: | Married |
| g. Nationality: | Nigerian |
| h. Town and State of Origin: | Owu-Abeokuta/Ogun State |
| i. Contact Address: | Agricultural Media Research and Extension
Center (AMREC), Federal University of
Agriculture, Abeokuta |
| j. Phone Number: | 08039468685 |
| k. Email Address: | adebowaletto@funaab.edu.ng
adetoluwa@yahoo.com |
| l. Present Post and Salary: | CONUASS 04 Level 02, ₦166, 262.00 |
| m. Post on promotion: | CONUASS 04 Level 03 |

2. EDUCATIONAL BACKGROUND/QUALIFICATIONS

- i. Educational Institutions Attended (with dates)**
- | | |
|---|-------------|
| • University of Chinese Academy of Sciences, Beijing, China | 2016 - 2019 |
| • Federal University of Agriculture, Abeokuta, Nigeria | 2011 – 2013 |
| • Federal University of Agriculture, Abeokuta, Nigeria | 2005- 2010 |
- ii. Academic Qualifications with Dates**
- | | |
|--|------|
| • Ph.D., Animal Science (Monogastric Animal Nutrition) | 2019 |
| • M. Agric, Monogastric Animal Nutrition | 2014 |
| • B. Agric, Animal Science (Animal Nutrition) | 2010 |
- iii. Prizes, Honours, Scholarship, National and International Recognition**
- | | |
|---|------|
| 1. TWAS-UNESCO Visiting Researcher | 2021 |
| 2. CAS-TWAS Presidential Award (Doctoral Fellowship), China | 2016 |
| 3. The World Bank Sustainable Agriculture Fellowship (CEADESE) | 2014 |
| 4. Best Graduating Student Award, Department of Animal Nutrition, Federal University of Agriculture, Abeokuta | 2010 |
| 4. Ogun State Government Student Scholarship | 2008 |

3. WORK EXPERIENCE

a. Academic experience

i. Teaching experience

- **Crescent University Abeokuta, Ayetoro Road, Ogun State** **2014-2019**

Designation and Area of Specialization: Lecturer 1, Animal Nutrition & Biochemistry

Courses Taught	Course Unit	Number of students involved
1. General biochemistry (BCH 201)	3units	60
2. Metabolism of lipids (BCH 303)	3 units	45
3. Nutritional biochemistry (BCH 308)	2 units	45
4. Natural products in plants (BCH 401)	2 units	30
5. General Science (GNS 201)	2 units	120
6. Man and Environment (GNS 211)	1 units	120
7. Plant Biochemistry (BCH 415)	2 units	30

- **Federal University of Agriculture, Abeokuta** **2019 - present**

Designation and Area of Specialization: Extension Fellow 1, Monogastric Animal Nutrition

Course(s) Taught/Allotted	Course Unit	Number of students involved
1. Vitamins and Minerals (ANN 801)	3	15
2. Feed Quality Control (PDA 715)	3	5
3. Rabbit Nutrition (PDA 713)	3	5
4. Poultry Nutrition (PDA 711)	3	5
5. Swine Nutrition (PDA 710)	3	5
6. Principles of Animal Nutrition (ANN 303)	3	675

4. SPECIAL ASSIGNMENT/COMMUNITY SERVICE

1. Coordinator, Extension and Adaptive Research, Federal University of Agriculture, Abeokuta 2021
2. Chair, Demonstration Farm Establishment Committee, Agricultural Media Resources and Extension Centre 2021
3. Member, Committee on Media Work Display in AMREC 2021
4. Reviewer, International Journal for Food Science and Technology 2020
5. Reviewer, College of Biosciences Biennial Conference, Federal University of Agriculture, Abeokuta 2020
6. Trainer, Ogun Central Senatorial District Poverty Alleviation Programme on Poultry and Feed Production 2020
7. Secretary, Farm Settler's Association, Ajegunle, Mile 6, Abeokuta, Nigeria 2020
8. Trainer, Application of live-fencing against cattle invasion on farmlands to prevent farmers-cattle herdsmen clashes on Farm Settlements (Abeokuta, Nigeria) 2020
9. Facilitator, Participation of rural farmers on Improved Cassava Production Technique training via the FUNAAB radio programme (Abeokuta, Nigeria) 2020
10. CAVA-II/ACAI sensitization of farmers on improved practices for the cultivation of high-yielding cassava varieties 2020
11. Member, Development of University-wide software for internally generated revenue (IGR), Federal University of Agriculture, Abeokuta, Nigeria 2020
12. Coordinator, Department of Chemical Sciences, Crescent University, Abeokuta 2016

13. Seminar Coordinator, Dept. of Chemical Sciences, Crescent University, Abeokuta 2015

5. TRAINING PROGRAMMES ATTENDED

1. Academic Retreat on University Ethics, Pedagogy and Examination Matters, FUNAAB 2021
2. Management Strategies for People and Resources, YALINETWORK (Online course) 2020

6. COMMENDATION

- University Representation in Organized International Students Extra Curricular Activities, UCAS, Beijing, China 2016

7. MEMBERSHIP OF PROFESSIONAL BODIES

1. American Society of Animal Science
2. Nigeria Society for Animal Production
3. Animal Science Association of Nigeria

8. RESEARCH INTEREST OR COMMISSIONED PROJECT

- Interaction of feed components on health indices using poultry, pig or mice as research models
- Alternative sources of feed materials towards a sustainable environment and improved food production
- Processing methods and dietary interventions in poultry nutrition

9. UNIVERSITY EXTENSION ACTIVITIES

a). Brief description of Extension Activities

1. Trainer, Application of live-fencing against cattle invasion on farmlands to prevent farmers-cattle herdsmen clashes on Farm Settlements (Abeokuta, Nigeria) 2020
2. Facilitator, Participation of rural farmers on Improved Cassava Production Technique via the FUNAAB radio programme (Agbedotun) 2020
3. CAVA-II/ACAI sensitization of farmers on improved practices for the cultivation of high-yielding cassava varieties 2020
4. Extension Service on Improved Soil Health Practices, Ajegunle Farm Settlement, Ajebo, Mile 6, Abeokuta 2021

b) University Extension Reports Presented

- A report on the use of live-fencing as a strategy to prevent cattle invasion on farmlands and other farming units 2020
- Report on hydroponics fodder: A demonstration on soil-less production of fodder for ruminants 2021

c) Resource Inputs into Training and Workshop

- Trainer, poultry and feed production workshop held at Senator Ibikunle Amosun Constituency Poverty Alleviation Program 2020
- Selection and sourcing of seeds for live-fencing demonstration 2020

10. Other activities within the University system (position in Administration etc)

1. Coordinator, Extension and Adaptive Research, Federal University of Agriculture, Abeokuta 2021
2. Chair, Demonstration Farm Establishment Committee, Agricultural Media Resources and Extension Centre 2021

- | | | |
|----|--|------|
| 3. | Member, Committee on Media Work Display in AMREC | 2021 |
| 4. | Member, Smart Technology in commercialization of University products | 2021 |

11. PUBLICATIONS

a. Journal Publications

1. Qian Jiang, **Tolulope Adebowale**, Junquan Tian, Yulong Yin, Kang Yao (2020). Alpha-ketoglutarate diet affects bacteria profiles in the feces of lactating sows and their suckling piglets. *Archives of Animal Nutrition*, Volume 74, Issue 1, Pages 39-56 (<https://doi.org/10.1080/1745039X.2019.1639443>)
2. Kefyalew Gebeyew, Bosenu Abera, Aklilu Bajigo, Gebremedhin Gebresilassie, Yordan Martinez, and **Tolulope Adebowale** (2020). Indigenous medicinal uses, toxicity, and chemical composition of browsing plant used by camel in Ethiopia Somali Regional State: a survey. *Tropical Animal Health and Production*, Volume 52, pages1459–1466 (<https://doi.org/10.1007/s11250-019-02152-1>)
3. Oyegunle Emmanuel Oke, Abimbola Oso, Oluwaseun Serah Iyasere, **Tolulope Adebowale**, Tolulope Akanji, Odutola Odusami, Sandra Udehi, and James Olamitibo Daramola (2020). Growth performance and physiological responses of helmeted guinea fowl (*Numida meleagris*) to different stocking densities in humid tropical environment. *Agricultura Tropica et Subtropica*, Volume 53: Issue 1 (<https://doi.org/10.2478/ats-2020-000>)
4. Hussain T, Tan B, Murtaza G, Liu G, Rahu N, Saleem Kalhor M, Hussain Kalhor D, **Adebowale T**, Usman Mazhar M, Rehman ZU, Martinez Y, Akber Khan S, Yin Y (2020). Flavonoids and type 2 diabetes: Evidence of efficacy in clinical and animal studies and delivery strategies to enhance their therapeutic efficacy. *Pharmacology Research*, Volume 152, Article 104629 (<https://doi.org/10.1016/j.phrs.2020.104629>)
5. **Tolulope Adebowale**, Kang Yao, and Abimbola Oso (2019). Major cereal carbohydrates in relation to intestinal health of monogastric animals. *Animal Nutrition*, Volume 5, Issue 4, Pages 331-339 (<https://doi.org/10.1016/j.aninu.2019.09.001>)
6. **Tolulope Adebowale**, Kang Yao, and Yin Yulong (2019). The effect of dietary high energy density and carbohydrate energy ratio on digestive enzymes activity, nutrient digestibility, amino acid utilization and intestinal morphology of weaned piglets. *Journal of Animal Physiology and Animal Nutrition*, Volume 103, Issue 5, Pages 1492-1502 (<https://doi.org/10.1111/jpn.13123>)
7. Qian Jiang, **Tolulope Adebowale**, Junquan Tian, Yulong Yin, Kang Yao (2019). Effects of maternal alpha-ketoglutarate supplementation during lactation on the performance of lactating sows and suckling piglets. *Archives of Animal Nutrition*, Volume 73, Issue 6, Pages 457-471 (<https://doi.org/10.1080/1745039X.2019.1639443>)
8. Arowolo M. A, He J.H, He S.P and **Adebowale T.O** (2019). Implication of lighting program in intensive broiler production. A Review. *World's Poultry Science Journal*. Volume 75, Issue 1, Page 17 - 28 (<https://doi.org/10.1017/S0043933918000934>)
9. **Tolulope Adebowale**, Hongnan Liu, Abimbola Oso, Oyegunle Emmanuel Oke, Tarique Hussain, Adeyemi Mustapha Bamgbose, Kang Yao, Yin Yulong (2018).

- Effect of dietary high niacin supplementation on performance, total tract nutrient retention, carcass yield and meat lipid profile of growing turkeys. *Animal Production Science*, Volume 59, Issue 6, Pages 1098-1107 (<https://doi.org/10.1071/AN17806>)
10. **Tolulope Adebowale**, Abimbola Oso, Hongnan Liu, Myrlene Tossou, Jiashun Chen, Li Huang, Kang Baoju, Kang Yao (2018). Effect of High Dietary Niacin Supplementation on Growth Performance, Nutrient Digestibility, Hematology, and Lipoprotein Concentrations of Young Turkeys. *Journal of Poultry Science*, Volume 56, Issue 2, Pages 112-119 (<https://doi.org/10.2141/jpsa.0170212>)
 11. Zhuo Y, Wang J, Liu H, Mou D, **Adebowale T.O**, Che L, Fang Z, Xu S, Liu G, Lin Y, Feng B, Abdullah Al-Dhabi N, Li J, Duraipandiyani V, and Wu D (2017). Effects of maternal methyl donor on the pork characteristics of offspring pigs with prenatal exposure to bisphenol A. (<https://doi.org/10.1017/S175173111700252X>) *Animal*, Volume 12, Issue 6, Pages 1306-1315
 12. **Tolulope Adebowale**, Bamgbose A.M, Oso A.O , Adejola Y.A, Ola-Mudathir F.K, Egunlusi F, Oke O.E (2015). Blood chemistry and nutrient digestibility of starter turkeys fed macaroni waste meal as a replacement for maize. *Nigeria Journal of Animal Production*, Volume 42, Number 2.
 13. **Tolulope O. Adebowale**, Oso, A.O, Olowofeso, O., Idowu O.O, Fafiolu, A.O (2014). Growth response, hematological indices and serum lipid profile of turkeys fed diets supplemented with yeast and niacin. *Akamai University Pacific Journal of science*, Volume 15, Number 1
 14. Oso A.O, Oke O.E, Abioja M.O, Abiona J.A, Agbodo G.A, and **Tolulope Adebowale** (2013). Growth and Physiological Response of Local Turkey (*Melleagris gallopavo*) offered Dietary Vitamin C. *Akamai University Pacific Journal of science*, Volume 14, Number 2

12. Major Conferences Attended With Papers Read (Conference Proceedings)

1. **Tolulope Adebowale**, Yin Yulong and Kang Yao. Dietary Starch to fat digestible energy ratio alters intestinal morphology and increased incidence of diarrhea in weaned piglets. The American Society of Animal Science Annual Meeting. Houston, USA. 2019
2. **Tolulope Adebowale**, Abimbola Oso, Hongnan Liu, Myrlene Tossou, Jiashun Chen, Li Huang, Kang Baoju, Kang Yao. Effect of High Dietary Niacin Supplementation on Growth Performance, Nutrient Digestibility, Hematology, and Lipoprotein Concentrations of Turkeys in the Early Stage. Food for Health International Conference, China. 2017

13. INFORMATION ON FELLOWSHIP AND MASTER'S PROJECT SUPERVISED

- **Masters Project Supervised (1)**

Title: Effect of Processed Sweet Orange Peel on Intestinal Function and performance of weaned piglets (Co-supervision)

Name of student: Terfa Daniel

Year of Commencement: 2019 (Ongoing)

Supervision: Co-supervision

14. EXTRA-CURRICULAR ACTIVITIES

Lawn Tennis, Football, Jogging and Badminton