

i. Brief 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). He won the prestigious CAS-TWAS Presidential Fellowship for his doctoral degree. He is a recipient of the TWAS-UNESCO visiting researcher fellowship (2021) and has won both national and international grants. Some of which includes the International Foundation for Science (IFS) Award, Tefund Institutional Based Research Grant.

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 interactions with gut health of monogastric animals, novel alternative protein sources, and biotechnological methods in animal nutrition. 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 early career scholar with publications in reputable 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 happily married with children.

ii. Passport-size Photo



iii. Personal Information

- a. Name in Full: ADEBOWALE Tolulope Oluwadamilare
- b. Date of Birth: 1st April, 1986
- c. Place of Birth: Ibadan
- d. Age: 37 years
- e. Sex: Male
- f. Marital Status: Married
- g. Nationality: Nigerian
- h. Town and State of Origin: Abeokuta/Ogun State
- i. Contact Address: Agricultural Media Resources and Extension
Centre (AMREC), Federal University of
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iv. Department: Agricultural Media Resources and Extension Centre (AMREC), Department of Animal Nutrition, Federal University of Agriculture, Abeokuta

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- vii. Rank: CONUASS 04 Step 04

- viii. Designation: Extension Fellow I

- ix. Researchgate Address: <https://www.researchgate.net/profile/Tolulope-Adebowale-2>

- x. LinkedIn Profile: www.linkedin.com/in/tolulope-adebowale-75505b7a
- xi. Google Scholar Profile:
<https://scholar.google.com.my/citations?hl=en&user=uoYvB0EAAAAJ>
- xii. ORCID Number: 0000-0002-7325-5691
- xiii. Qualification: B.Agric, M.Agric, Ph.D
- xiv. Membership of Professional Bodies:
1. American Society of Animal Science
 2. Nigeria Society for Animal Production
 3. Animal Science Association of Nigeria
- xv. Award Received:

Grant

- 1 International Foundation for Science (IFS) Basic Research Grant (2022)
- 2 Tetfund Institution-Based Research Grant (2022)
- 3 Tetfund Institution-Based Research Grant (IBR) (2022)
- 4 TWAS-UNESCO Associateship Scheme (2021)

Fellowship

- 5 CAS-TWAS Presidential Award (2016)
- 6 The World Bank Sustainable Agriculture Fellowship (CEADESE) (2015)

Honours and Prizes

- 7 Best Graduating Student Award, Department of Animal Nutrition (2010)
- 8 Ogun State Government Scholarship (2008)

xvi. Research conducted:

- Interaction of feed components on gut health indices using poultry, pig or mice as research models
- Novel sources of feed materials towards a sustainable environment and improved food production

- Application of improved processing methods (biological, biotechnology) and new feed components in poultry nutrition

xvii. Conferences Attended

- **Adebowale, T.**, Yin, Y., and Kang, Y. (2019). Starch to fat ratio in piglets nutrition. *Journal of Animal Science. The American Society of Animal Science Annual Meeting. Houston, USA. 2019*
- **Tolulope Adebowale**, Abimbola Oso, Hongnan Liu, Myrlene Tossou, Jiashun Chen, Li Huang, Kang Baoju, Kang Yao (2017). 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.

xviii. 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. 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>)
3. **Tolulope Adebowale**, Yin Yulong, and Kang Yao (2019). Starch to fat ratio in piglets nutrition. *Journal of Animal Science*, Volume 97 (Suppl 3): 124-125
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.10.1016/j.phrs.2020.104629>)
5. 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, pages 1459–1466 (<https://doi.org/10.1007/s11250-019-02152-1>)
6. **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>)

7. **Tolulope Adebawale**, 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>)
8. Qian Jiang, **Tolulope Adebawale**, 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>)
9. Arowolo M. A, He J.H, He S.P and **Adebawale 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>)
10. **Tolulope Adebawale**, 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>)
11. **Tolulope Adebawale**, 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>)
12. Zhuo Y, Wang J, Liu H, Mou D, **Adebawale T.O**, Che L, Fang Z, Xu S, Liu G, Lin Y, Feng B, Abdullah Al-Dhabi N, Li J, Duraipandiyan 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
13. Jiashun Chen, Huansheng Yang, Lina Long, Yurong Zhao, Qian Jiang, Fei Wu, Baoju Kang, Shaojuan Liu, **Tolulope Adebawale**, Chenxing Fu, Kang Yao (2017). The effect of dietary supplementation of alpha-ketoglutarate on intestinal microbiota, metabolic profiles, and ammonia levels in growing pigs. *Animal Feed Science and Technology*, Volume 234, Pages 321-328 (<https://doi.1016/j.anifeedsci.2017.03.017>)
14. Chen J.S, Wu F, Li F.N, Jiang Q, Liu S.J, Kang B.J, Li S, **Adebawale T.O**, Huang N, Li H, Yin Y.L, Fu C.X, Yao K (2016). Growth performance, nitrogen balance, and metabolism of calcium and phosphorus in growing pigs fed diets supplemented with alpha-ketoglutarate. *Animal Feed Science and Technology*, Volume 226, Pages 21-28 (<https://doi.1016/j.anifeedsci.2016.12.013>)
15. Myrlene Carine B. Tossou, Hongnan Liu, Miaomiao Bai, Shuai Chen, Yinghua Cai, Veeramuthu Duraipandiyan, Hongbin Liu, **Tolulope O. Adebawale**, Naif Abdullah Al-Dhabi, Lina Long, Hussain Tarique, Abimbola O. Oso, Gang Liu, and Yulong Yin (2016). Effect of

High Dietary Tryptophan on Intestinal Morphology and Tight Junction Protein of Weaned Pig. BioMed Research International, Article ID 2912418 (<https://doi.org/10.1155/2016/2912418>)

16. **Tolulope Adebawale**, 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.

17. **Tolulope O. Adebawale**, 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

18. Oke O.E, Obanla O. F, Oke L. O, Abiola S. S, Sogunle O. M, Ladokun A. O, Adejuyigbe A. E, **Adebawale T.O.**, and Adegbite J. A. (2014). Effect of substitution of fat with melon seed meal on quality characteristics of pork sausages. Journal of Agricultural Science and Environment, Volume 14, Number 1, Pages 50-57

19. Oso A.O, Oke O.E, Abioja M.O, Abiona J.A, Agbodo G.A, and **Tolulope Adebawale** (2013). Growth and Physiological Response of Local Turkey (*Melleagris gallopavo*) offered Dietary Vitamin C. Akamai University Pacific Journal of science, Volume 14, Number 2

