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*Registered Animal Scientist (RAS - 01474)*



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### Professional Summary

- ❖ Seasoned Animal Nutritionist and Feed Industry Consultant with over 13 years of progressive expertise in feed formulation, nutritional biochemistry, phytogenic additives, and livestock performance optimization.
- ❖ Associate Professor at the University of Ibadan and Visiting Researcher at Tohoku University, Japan, under the Africa Strategic Early-Career Fellowship. Highly industrious and well organized, dependable, self-motivated, goal-oriented, excellent problem-solving skills, multi-tasked and analytical, dedicated team player with a strong leadership quality.
- ❖ Recognized for pioneering natural additive-based feed technologies and herbal fortification for sustainable livestock productivity.
- ❖ Demonstrated leadership in designing, evaluating, and optimizing feed concentrates and premix formulations for poultry and pigs.
- ❖ Proven record of collaboration with research institutes, feed manufacturers, and development agencies to improve nutrient utilization, cost-efficiency, and food safety in animal production systems.

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**Research Focus:** Keying into one-health approach, my research is centered on the sustainable expansion of the feed resource base through value addition to locally available feedstuffs, with particular emphasis on enhancing nutrient utilization in livestock. I explore the use of natural feed additives, especially indigenous herbs, as alternatives to synthetic antimicrobials, contributing to safer, more efficient animal production systems. My work intersects with public health and nutrition outcomes by promoting bioactive-rich feed

solutions that support animal and human well-being, aligning with food-based strategies to combat malnutrition.

**Professional goal:** My overarching professional goal is to contribute meaningfully to the transformation of the livestock industry by addressing nutritional challenges through research, innovation, and mentorship. I strive to generate evidence-based solutions that enhance animal productivity and support food and nutrition security, particularly within African agricultural systems. Committed to conducting demand-driven and impactful research, I also aim to nurture the next generation of scientists by inspiring, mentoring, and helping them unlock their full potential. Ultimately, I aspire to be recognized for both scientific excellence and my role in advancing nutrition-sensitive agricultural research that aligns with institutional and societal priorities.

**Core Competences:** Feed Concentrate Development & Quality Control  
Feed Formulation and Nutrient Optimization  
Nutritional Biochemistry & Phytogetic Additives  
Feed Additives: Probiotics, Enzymes, Organic Acids, Toxin Binders  
Monogastric Nutrition (Poultry & Swine)  
Project Management & Technical Consultancy  
Product Evaluation and Field Trials  
Laboratory Analysis of Feeds & Ingredients  
Capacity Building and Industry Training

**Career Highlights:** **Associate Professor**, (Animal Nutrition and Phytochemistry), Department of Animal Science, University of Ibadan  
Leading research on feed resource diversification, nutrient digestibility, and herbal alternatives to antibiotics.  
**Visiting Researcher (2025)**, Graduate School of Agricultural Science, Tohoku University, Japan  
Started institutional collaboration for studies on alternative feed resources, herbal alternatives to antibiotics, animal immunology and feed & food safety for Africa  
**Deputy Editor-in-Chief**, *Tropical Animal Production Investigations* – over 10 years of editorial and technical leadership  
**Sub-Dean (Postgraduate)** of the Faculty of Agriculture. Abstracts, theses/dissertation and journal publications reviews of hundreds of graduate students  
**Consultant**, Feed and Additives Evaluation Projects.  
Developed herbal–vitamin premix for antimicrobial effects and feed formula for animal production.  
**Advisory input** on feed mill layout, ingredient sourcing, national feed ingredient listing and policy formulation for Nigerian Institute of Animal Science, and biosecurity planning

**Research** on nutritional strategies for reducing ammonia emission and improving gut health in broilers

**Over 70 peer-reviewed publications** on feed evaluation, additive evaluation and use of phytochemicals in animal production

### Educational Institution Attended with Dates

S/no.	Institution	Qualifications obtained	Date
1	University of Ibadan, Ibadan.	Ph.D.	2015
2	University of Ibadan, Ibadan.	M.Sc.	2008
3	University of Ibadan, Ibadan.	B. Agric. (First class)	2005

### Membership of Learned Bodies

- (a) Member, Nigerian Institute of Animal Science (NIAS/RAS/01474)
- (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)

### Technical Skills

- Feed formulation software
- Laboratory techniques: proximate analysis, amino acid profiling, enzyme assays
- Nutrient digestibility and metabolizable energy determination
- Statistical tools: SPSS, SAS

### Selected Publications

- 1 Adejumo, R. O., T. D. Makanju, **B. R. O. Omidiwura**, I. M. Ogunade, and Agboola, A. F. 2026. Effects of Honey Solution Fed in Ovo on Growth Performance, Gut Morphology and Enzyme Activities of Turkey Poults. *Journal of Experimental Agriculture International* 48 (2):451-62.
- 2 **Omidiwura, B. R. O.** 2025. Influence of L-Dopa on the performance and lipid profile of pullet chicks. *Tropical Animal Production Investigations*; 28 (02):6-11
- 3 Ologbosere, D. Y, **Omidiwura, B. R. O.**, Olajide, O. P., Awe T. E., Aniobi, M. M. and Alabi, O. O. 2025. Integration of Internet of Things and Machine Learning in Broiler Production: A Review on Global Trends and Local Prospects. Special Issue: Landmark University International Conference (SEB4SDG); 7 (1): 2450-2455

- 4 Adekoya, A., Adelokun, O., **Omidiwura, B. R. O.**, Ogunbayo, I., Oyelami, B.,  
Osadebamwen, U., Akano, O., Enya, E., and Aburime, P. 2025. Compliance with Feed  
Mill Regulations: An Assessment of Operators in Oyo State. Innovation Lab For Policy  
Leadership in Agriculture and Food Security (PiLAF). Policy Brief 004. 1-7.
- 5 Adeola, E.A. and **Omidiwura, B.R.O.** 2025. Growth performance, nutrient digestibility  
and faecal microbial load  
of growing pigs fed blood root leaf meal, scent leaf meal, and bamboo charcoal.. *Journal  
of Veterinary and Animal Sciences* 56 (3):469-475
- 6 Adeola, E. A., **Omidiwura, B. R. O.**, and Agboola, A. F. (2025).Influence of Blood Root  
Leaf Meal, Scent Leaf Meal, and Bamboo Charcoal on Haematological, Serum Biochemical  
and Antioxidant Parameters of Growing Pigs. *Indian Journal of Animal Health*; 64(1) -  
Special Issue: 113-118
- 7 Adeola, E. A., **Omidiwura, B. R. O.**, and Agboola, A. F. (2024). Influence of *Justicia  
secunda* leaf meal, scent leaf meal, and bamboo charcoal on growth, nutrient digestibility  
and faecal microbial shedding of weanling pigs. *Journal of Animal Science and Veterinary  
Medicine*, 9(6), 361-368.
- 8 **Omidiwura, B. R. O.**, A. F. Agboola, E. O. Abodunrin, A. O. Amole, S. A. Ajayi, O. H.  
Mojolagbe, and O. O. Adenekan. (2024). Growth performance, gut integrity and blood  
metabolites of laying hens fed pepper elder (*Peperomia Pellucida* (L.) kunth supplemented  
diets. *Nigerian Journal of Animal Production* ;50(3):139 - 152
- 9 Mbakwe, C. C., Agboola, A. F. and **Omidiwura, B. R. O.** (2023). Effect of dietary  
inclusion of varied levels of butyric acid as antibiotics on the performance of turkey poults.  
*FUDMA Journal of Agriculre and Agricultural Technology* ;9(4):55-60.
- 10 **Omidiwura, B. R. O.**, Agboola, A. F., Asipa, W. A., Adebowale, I., Adekunle, A. O.,  
Adeniyi, V. O. and Unuofin, V. O. (2023). Antiviral efficacies of neem (*Azadirachta indica*  
J.) and scent (*Ocimum sanctum* L.) leaf meals against Newcastle and infectious bursal  
disease in broiler chickens. *Journal of Animal Science and Veterinary Medicine* ;8(6):258-  
269.

## References

Available on request

Dr B. R. O Omidiwura



**Signature:**