

OKUKENU, Oluwafemi Adeyemi



Biography

Dr. **Okukenu** Oluwafemi Adeyemi is a Lecturer in the Department of Pasture and Range Management (PRM), College of Animal Science and Livestock Production (COLANIM), Federal University of Agriculture, Abeokuta (FUNAAB). He graduated at the University of Agriculture, Abeokuta, Nigeria in 2010 with Second Class Upper Degree, and completed his Master's Degree in Pasture and Range Management in 2014 and Ph.D (Pasture Production and Utilization) in 2017.

Dr. Okukenu is a Forage and Animal scientist with over 10 years of experience in research, teaching, scientific publication, and community engagement. His research expertise covers forage production and utilization, forage conservation, natural resource management, and sustainable agriculture. Dr. Okukenu is passionate about generating feasible solutions to feed challenges in livestock production.

He joined the services of Federal University of Agriculture, Abeokuta as a Lecturer II in 2019; and within this short period he has been carrying out research activities, supervising and training undergraduate students. He has 31 Publications (both international and local). He has undertaken trainings in AWARD Scientific Writing and Publishing Skills Course for FUNAAB. Dr. Okukenu, Oluwafemi Adeyemi is a member of Animal Science Association of Nigeria (ASAN), Society for Grassland Research and Development in Nigeria (SOGREDEN), British Society of Animal Scientist (BSAS) and is a Registered Animal Scientist (RAS). He likes reading, meeting people, singing, and watching movies

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Qualification: Doctor of Philosophy

Membership of Professional Bodies

Registered Animal Scientist, Nigerian Institute of Animal Science (RAS/01762)

Member, Nigerian Society of Animal Production (NSAP)

Member, Animal Science Association of Nigeria (ASAN).

Member, British Society of Animal Science (BSAS).

Member, Society for Grassland Research and Development in Nigeria (SOGREDEN)

Award Received

Departmental Prize awarded to Best Project Student in the Department (PRM, FUNAAB) 2010

Research Conducted

- i Botanical composition and nutritive value of dominant pasture species in animal areas.
- ii Effect of pastoral Fulani settlements on farming activities and seasonal grass quality.
- iii Introduction of concept of grass silage among sedentary pastoralists.
- iv Nutritive quality of *Andropogon tectorum* as affected by manure type and age at harvest.
- v Chemical composition of *Brachiaria ruziziensis* as affected by seed rate and fertilizer type.
- vi Nutritive quality of *Brachiaria ruziziensis* as affected by manure type and tillers number per stand.
- vii Influence of forage proportion and ensiling period on the nutritional qualities of *Brachiaria ruziziensis* and *Stylosanthes hamata* silage.
- viii Chemical composition of *Brachiaria ruziziensis* as affected by sowing method and volume of liquid fertilizer.

Conferences Attended

45th Conference of Nigerian Society of Animal Production (NSAP), Hosted by Abubakar Tafawa Balewa University, Bauchi and Organized under the Auspices of Nigerian Society for Animal Production. 15-19th March, 2020

Paper read by Okukenu, O. A., Dele, P. A., Akinyemi, B. T., Jolaosho, A. O., Olajide, A. A. and Oriola, R. A. Proximate composition of plant parts of *Pennisetum purpureum* harvested at selected locations in Southwest Nigeria.

Publications

1. Dele, P. A., Jolaosho, A. O., Arigbede, O. M., Ojo, V. O. A., Amole, T. A., **Okukenu, O. A.** and Akinyemi, B. T. (2013). Chemical Composition and *In Vitro* Gas Production of Silage from Guinea Grass, Cassava Peel and Cashew Apple Waste at Different Periods of Ensilage. ***Pakistan Journal of Biological Sciences***. 16(23): 1801-1805, Published by Asian Network for Scientific Information. Available online at <http://scialert.net/qredirect.php?doi=pjbs.2013.1801.1805&linkid=pdf>.
2. Jolaosho, A. O., Dele, P. A., Olanite, J. A., Arigbede, O. M., Ojo, V. O. A., and **Okukenu, O. A.** (2013). Chemical Composition of Silage from Guinea Grass, Cassava Peel, and Brewery Waste as affected by Ensiling Duration. ***The Pacific Journal of Science and Technology*** 14(2): 463-467. http://www.akamaiuniversity.us/PJST14_2_463.pdf.
3. Muraina, T. O., Olanite, J. A., Ojo, V. O. A., Fasae, O. A., Ewetola, I. A., **Okukenu, O. A.**, and Adebisi, I. A. (2015). Assessment of chemical composition of natural pasture oversown with two *stylosanthes species* for ruminant feeding. ***Tropical Animal Production investigation***. 18(2): 99-107. Published by Department of Animal Science. ISSN: 1115-2540. <http://animalsci.agric.ui.edu.ng/TAPI/index.php/tapijournal/index>99.
4. Dele P. A., Amole T. A., Akinyemi B. T., Sangodele O.T., **Okukenu O. A.**, Oyebanjo E. D., Adepoju R. O., Ewetola I. A., Ojo V.O.A. and Olanite J. A. (2016). Physical and chemical characteristics of *Pennisetum purpureum* grass silage as affected by manure type and ensiling duration. ***Journal of Animal Production Research*** 28(2):37-49. Published by National Animal Production Research Institute Ahmadu Bello University, Zaria, Nigeria. Available online at <http://journals.napri.gov.ng/index.php/japr/article/view/237/189>.
5. Amole T. A., Dele P. A., Ojo V. O. A., Akinyemi B. T., Akinyemi F. I. Akinade G., and **Okukenu O. A.** (2017). Intercropping systems' productivity of *Brachiaria decumbens* with *Stylosanthes hamata* and *Stylosanthes guianensis* In different planting ratios. ***Journal of Animal Production Research*** 29(1):299-313. Published by National Animal Production Research Institute Ahmadu Bello University, Zaria, Nigeria. Available online at <http://journals.napri.gov.ng/index.php/japr/article/view/309/263>.

6. Dele, P. A., Akinyemi, B. T., Amole, T. A., **Okukenu, O. A.**, Sangodele, O. T., Sowande, O. S., Olanite, J. A., Arigbede, O. M. and Jolaosho, A. O. (2017). Effect of manure type and season of harvest on the forage yield, quality and macro-elements of two *Panicum maximum* varieties. ***Nigerian Journal of Animal Science*** 19(1):265-282. Published by Animal Science Association of Nigeria. Available online at <https://www.ajol.info/index.php/tjas/article/view/163832>.
7. Ojo, V. O. A., G.A. Akinade, G. A., Adetokunbo, Lamidi, A. A., Jolaosho, A. O., Aderinboye, R. Y., Amole, T. A., Akinbode, R. M., **Okukenu, O. A.** and O.J. Idowu, O. J. (2017). Silage quality of *Pennisetum purpureum* Schumach. grass mixed with processed *Enterolobium cyclocarpum* (Jacq.) Griseb. seeds at varying proportions as affected by ensiling periods. ***Tropical Agriculture*** (Trinidad) 94(4):362-371. Published by Faculty of Food and Agriculture. University of the West Indies. Trinidad and Tobago. Corpus ID: 201202871.
8. **Okukenu, O. A.**, Ogunrombi, O. A., Dele, P. A., Akinyemi, B. T., Onifade, O. S. and Jolaosho, A. O. (2018). Proximate and fibre composition of *Panicum maximum* and *Centrosema molle* silage as affected by different proportions and ensiling periods. ***The Pacific Journal of Science and Technology***. 19(1): 264-270. http://www.akamaiuniversity.us/PJST19_1_264.pdf.
9. Dele, P. A., Akinyemi, B. T., **Okukenu, O. A.**, Amole, T. A., Akinlolu, A., Sarumi, G., Salawu, F. E. and Anotaenwere, C. (2018). Chemical composition of *Panicum maximum* as influenced by poultry manure rate and age at harvest. ***The Pacific Journal of Science and Technology***. 19(2): 319-325. http://www.akamaiuniversity.us/PJST19_2_319.pdf.
10. Oyekunle, T., **Okukenu, O. A.**, Dele, P. A., Aderinboye, O., Olajide, A. A., Ogunrombi, O. A., Jolaosho, A. O. and Adekale, A. O. (2018). Proximate and fibre composition of *Pennisetum purpureum* varieties in *Stylosanthes guianensis* mixed sward fertilized with two manure types. ***The Pacific Journal of Science and Technology***. 19(2): 307-313. http://www.akamaiuniversity.us/PJST19_2_307.pdf.
11. **Okukenu, O. A.**, Dele, P. A., Akinyemi, B. T., Olajide, A. A., Oluwatoyin Ogunrombi, O. A. and Adekale, A. O. (2018). Botanical composition, dry matter yield, and soil physio-chemical properties of natural grazing areas under sedentary pastoral system at different seasons in South-West Nigeria. ***The Pacific Journal of Science and Technology***. 19(2): 295-306. http://www.akamaiuniversity.us/PJST19_2_295.pdf.
12. Akinyemi B., **Okukenu O. A.**, Dele P. A., Jolaosho A. O. and Odebode T. (2019). Proximate and fiber composition of four sorghum cultivars as affected by age at harvest. ***The Pacific Journal of Science and Technology*** 20(1): 316 – 320. http://www.akamaiuniversity.us/PJST20_1_316.pdf.
13. **Okukenu, O. A.**, P. A. Dele, B. T. Akinyemi, A. A. Olajide, O. S. Onifade, O. A. Ogunrombi, A. O. Adekale, and M. O. Kolade. (2019). "Proximate and Fiber Composition of Different Parts of *Tephrosia bracteolata* as Affected by Phosphorus Application Rate and Sowing Date". ***The Pacific Journal of Science and Technology***. 20(1):308-315. http://www.akamaiuniversity.us/PJST20_1_308.pdf.
14. **Okukenu, O. A.**, Olajide, A. A., Dele, P. A., Wheto, M., Akinyemi, B. T., Jolaosho, A. O., Jokosenumi, B. O. and Shonde, T. J. (2020). Microsatellite markers-based characterisation of elephant grass (*Pennisetum purpureum*) harvested from selected locations in South-West Nigeria. ***Nigerian Journal of Biotechnology*** 37(1): 38-45. Published by Biotechnology Society of Nigeria. Available online at <https://www.ajol.info/index.php/njb/article/view/199143>.

15. Oyeleke, A. M., Adeyemi, O. A., Egbeyale, L.T., Obasa, O.A. and **Okukenu, O. A.** (2020). Growth response, organ development and blood indices of growing pullets administered aqueous extracts of *Petiveria alliacea*. **Archivos de Zootecnia**. 69(267): 310-319.
16. Anotaenwere, C. C., Dele, P. A., Enwete, F. E., **Okukenu, O. A.**, Akpensuen, T. T., Amole, T. A. and Jolaosho, A. O. (2020). Effect of nitrogen source and phenological stage on the *in vitro* digestibility of Oba Super II maize fodder. **The Pacific Journal of Science and Technology** 21(2): 320-326. http://www.akamaiuniversity.us/PJST21_2_320.pdf.
17. Muraina, T. O., Jimoh, S. O., Ewetola, I. A., Ojo, V. O. A., Amisu, A. A., **Okukenu, O. A.**, Adebisi, Y. A., Muraina, H. A. and Olanite, J. A. (2020). Mineral composition of two *Stylosanthes* species oversown in natural pasture: effect of tillage practice and sowing method. **Tropical Animal Health and Production**. 52(5):2753-2759 <https://doi.org/10.1007/s11250-020-02305-7>.
18. **Okukenu, O. A.**, Akinyemi, B. T., Dele, P. A., Olajide, A. A., Jolaosho, .A. O., Onifade, O. S. and Fabusoro, E. (2020). Seasonal variations in the chemical composition of grasses harvested from the natural pasture in Ogun state south-western Nigeria. **Journal of Agricultural Science and Environment**. 20(1&2): 65-77. Published by the Federal university of Agriculture, Abeokuta.
19. Oyeleke, A. M., Adeyemi, O. A., Egbeyale, L. T., Sobayo, R., Obasa, O. A. and **Okukenu, O. A.** (2021). Growth performance, blood indices and intestinal organ development of pullet chicks administered aqueous extracts of guinea hen weed (*Petiveria alliacea*). **Slovak Journal of Animal Science**, 54(1): 21–32.
20. Adeyemi, T. A., Jolaosho, A. O., Dele, P. A., Adekoya, A. T., Oloyede, F. A., Ojo, V. O. A., **Okukenu, O. A.**, Amisu, A. A. (2021). Intraspecific pod and seed trait variation of two herbaceous legume seeds in response to competing neighbours and nutrient resource abundance. **Acta Oecologica** 111 (2021) 103741. Available online at <https://doi.org/10.1016/j.actao.2021.103741>.
21. Dele, P. A., Akinyemi, B. T., **Okukenu, O. A.**, Anotaenwere, C. C., Enwete, F. E., Kasim, O. B., Amole, T. A., Sowande, O. S., Olainte, J. A., Arigbede, O. M. and Jolaosho, A. O. (2021). Forage elemental concentrations and ratios of two groundnut (*Arachis hypogaea* L) varieties: effect of fertilizer type. **Nigerian Journal of Animal Science** 23 (3): 140-150. Published by Animal Science Association of Nigeria.
22. Oderinwale, O. A., Oluwatosin, B. O., Ogunbayo, Z. A., Toviesi, D. P., **Okukenu, O. A.**, Olalere, J. O., Adeyemo, A. J. and Kuye, O. M. (2021). Microbial population, identification and *in vitro* studies of West African Dwarf goats fed diets with or without urea treated corncob. **Nigerian Journal of Animal Science** 23 (3): 221-231. Published by Animal Science Association of Nigeria.
23. **Okukenu, O. A.**, Olajide, A. A., Dele, P. A., Wheto, M., Akinyemi, B. T. and Jolaosho, A. O. 2021. Nutritional characteristics of nine *Pennisetum purpureum* varieties as affected by manure type in Southwest Nigeria. **Agricultura Tropica et Subtropica** 54(1):209–215. DOI: 10.2478/ats-2021-0022.
24. **Okukenu, O. A.**, Jolaosho, A. O., Onifade, O. S., Amisu, A. A., Oriola, R. A., Oladele, D. J. and Hastrup, A. O. 2021. Chemical composition of leaves and stems of elephant grass (*Pennisetum purpureum*) harvested from selected locations in Southwest Nigeria. **Journal of Animal Production Research** 33(1):146-157. Published by National Animal Production Research Institute Ahmadu Bello University, Zaria.

25. **Okukenu, O. A.**, Eesuola, A. A., Dele, P. A., Akinyemi, B. T., Amisu, A. A., Onifade, O. S., Jolaosho, A. O., Owuye, O. A. and Adegboyega, S. S. 2021. Chemical composition of *Brachiaria ruziziensis* and *Chloris gayana* as affected by age at harvest. ***Nigerian Journal of Animal Production*** 48(6):312–320. Published by Nigerian Society for Animal Production. <https://doi.org/10.51791/njap.v48i6.3319>.
26. Jolaosho, A. O., Akinola, J. O., **Okukenu, O. A.**, Binuomote, R. T. and Odedire, J. A. 2021. Sowing density of herbage and seed production from two Jack bean (*Canavalia ensiformis* (L.) DC) cultivars. ***Nigerian Journal of Animal Production*** 48(6):304–311. Published by Nigerian Society for Animal Production. Available online at <https://doi.org/10.51791/njap.v48i6.3318>
27. Akinyemi, B. T., **Okukenu, O. A.**, Dele, P. A., Kalenikanse, O. B, Wheto, M., Sanda, F. and Jolaosho, A. O. (2021). Genetic diversity of *Andropogon* Species with different microsatellite markers for better selection and improvement. ***Nigerian Journal of Biotechnology*** 38(2): 109-117. Published by Biotechnology Society of Nigeria. <http://www.ajol.info/index.php/njb/index>. DOI: <https://dx.doi.org/10.4314/njb.v38i2.12>.
28. Amisu, A. A., Ewetola, I. A., **Okukenu, O. A.**, Jimoh, S. O. and Olanite, J. A. (2022). Influence of phosphorus sources and storage duration on physical characteristics and fibre fractions of *Stylosanthes guianensis* hay. ***Nigerian Journal of Animal Production*** 49(2):215–224. Published by Nigerian Society for Animal Production. <https://doi.org/10.51791/njap.v49i2.3482>
29. Akinyemi, B. T., Dele, P. A., Mozea, K. O., **Okukenu, O. A.**, Babatunde, M. O., Jolaosho, A. O. and Arigbede, O. M. (2022). Effect of drying methods on the anti-nutritional content of selected browse plants in rain forest zone of Nigeria. ***Nigerian Journal of Animal Production*** 49(2):250–256. Published by Nigerian Society for Animal Production. <https://doi.org/10.51791/njap.v49i2.3486>
30. **Okukenu, O. A.**, Adekale, A. O., Olajide, A. A., Onifade, O. S. and Alaba Olufunmilayo Jolaosho, A. O. (2022). Chemical composition of two maize varieties at different levels of green manure Application. ***Agricultura Tropica et Subtropica*** 55(1):30–39. DOI: 10.2478/ats-2022-0004
31. **Okukenu, O. A.**, Olajide, A. A., Dele, P. A., Akinyemi, B. T., Amisu, A. A., Jolaosho, A. O., and Onifade, O. S. (2022). Influence of manure application during cultivation on *in vitro* gas and post incubation parameters of nine *Pennisetum purpureum* varieties. ***Nigerian Journal of Animal Science*** 24 (2): 212-220. Published by Animal Science Association of Nigeria.