

Professor N.S. Machebe Peer-Reviewed Journal Publication

1. Ikeh, N.E., Amaefule B.C., Odo O.J., Ali L.C., Obinna A. L., Umeugokwe P.I., **Machebe N.S.** (2025) The effect of different sources and levels of inclusion of indigenous microorganisms on the growth performance, days-to-first-oestrus and haematological profile in crossbred pigs. *Xi'an Shiyou Daxue Xuebao (Ziran Kexue Ban)/Journal of Xi'an Shiyou University*, Natural Sciences Edition. 68(6)1-16 2025. DOI: 10.5281/zenodo.15687263
2. Orjiakor, F. S., Ali, L. C., Umeugokwe, P. I., & **Machebe, N. S.** (2025). Kerosene-contaminated feed: insights on haematology and organ histopathology of broiler chickens. *Ukrainian Journal of Veterinary and Agricultural Sciences*, 8(2), 88–96. doi: 10.32718/ujvas8-2.15
3. Nwokolo C.P., **Machebe N. S.**, Ezeoke F. C., Omumuabuike J. W., and Okoye L. E. (2025) Lipid profile and serum indices of broilers fed cassava peel meal-palm oil sludge diets as maize replacement. *Agr. Foo. Nat. Res. J. 4 (1): 57 - 63*
4. Uzochukwu I. E., Ali L. C. Amaefule B. C., Okeke C. C., Osita C. O., **Machebe N. S.**

Yancheva V., Somogyi D., and Nyeste K. (2025) Impact of vitamin E and selenium supplementation on growth, reproductive performance, and oxidative stress in dexamethasone-stressed Japanese quail cocks: Vitamin E & selenium in stressed quail cocks. *Poultry Science* 104(3) , March 2025, 104888. <https://doi.org/10.1016/j.psj.2025.104888>.
5. Ali, L. C., Amaefule, B. C., Ibeziako, A. E., Anizoba, N. W., Ugwu, C. M., Umeugokwe, P. I., & **Machebe, N. S.** (2025). Nigerian currency redesign policy of 2023: impact on animal agriculture. *Ukrainian Journal of Veterinary and Agricultural Sciences*, 8(1), 77-84.
6. Mercy Y., N.S. Rugul , C. Ezenwosu, A.E. Onyimonyi , N.W. Anizoba, C.O. Osita, C.M. Ugwu , S.O.C. Ugwu, **N.S. Machebe**, H.M. Ndofor-Foleng, and R.C. Ezeokonkwo (2024) Semen quality, fertility and egg hatchability in local Turkey Toms fed *Moringa* and *Gongronema* leaf powder diets. *Iranian Journal of Applied Animal Science* 14(2) 313 - 327.
7. Ezenwosu C., Onyimonyi A. E. ,Anizoba N. W., Osita C. O., Edeh H. O.,Ugwu M.C., Udeh V.C., Onodugo M.O., **Machebe N.S.**, Ikeh N.E., and Ezeokonkwo R.C. (2024) Impact of Dietary Sodium Bentonite and Direct Application of Aluminum Sulfate to the Litter on Egg Quality Traits and Laying Performance of Nigerian Noiler Hens. *Iranian Journal of Applied Animal Science* 14(3) 479-495.
8. Ali, L. C., Ikeh, N. E., Onah C. C., **Machebe N. S.** (2024) Apicultural practise in Nigeria: an exploitative potential for rural dwellers development - A review. *Research Journal of Agriculture and Forestry Science*. 12(2) 7-10.
9. Anizoba, N.W., Ugwu S.O.C., Ndofor-Foleng H. M., Onyimonyi A. E., Ikeh N. E., Ezenwosu C., Amaefule B.C., ..., **Machebe N.S.** (2024) Effects of aqueous extracts of neem leaf and ginger rhizome on growth performance and haematological parameters of pure and crossbred chickens. *Journal of Worlds Poultry Research*, 14(3) 273 - 281.

10. Anizoba N.W., Ikeh N.E., Ezenwosu C., Udeh F.U. and **Machebe N.S.** (2024) Effect of dietary organic selenium on growth performance, antioxidant status and carcass characteristics of broiler chicken reared in the tropics. *Indian Journal of Animal Sciences* 94 (6): 553-559. DOI: 10.56093/ijans.v94i6.144852
11. Amaefule, B.C., Uzochukwu I.E., Ikeh N.E., Ali L.C., Anizoba N.W. and **Machebe N.S.** (2024). Effect of dietary selenium (Se) on the reproductive performance of sows and preweaning performance of their piglets. *Journal of Agriculture, Food, Environment and Animal Sciences*, 5(1). 80-89. <https://www.jafeas.com/index.php/j1/article/view/149>
12. Ezenwosu C., A E Onyimonyi, W N Anizoba, C M Ugwu, **N S Machebe**, M Yusuf and R C Ezeokonkwo (2024) Using sodium bentonite to reduce litter ammonia gas production and improve hen laying performance. *Livestock Research for Rural Development* 36 (2) 2024. <https://www.lrrd.org/lrrd36/2/3616ezec.html>
13. Amaefule, C. B., Uzochukwu, I. E., Umeugokwe P., I., Anizoba W. N., Ndofor-Foleng, M. H., **Machebe, S. N.**, Ezekwe, G. A. (2023) Effect Of Photoperiod And Dietary Innovative Materials (Monk's Pepper And Thyme) On The Haematological And Serum Biochemical Indices Of Guinea Fowl Hens. *Xi'an Shiyou Daxue Xuebao (Ziran Kexue Ban)/ Journal of Xi'an Shiyou University, Natural Sciences Edition* 66 (11). DOI:10.5281/zenodo.10224234
14. Ikeh N.E., Anizoba N.W., Ugwu O.G., Fekurumoh S.O., Amaefule B.C., **Machebe N.S.**, Foleng H.M. (2023) Genetic Diversity and Phylogenetic Analysis of Non- Descript and Hyla Rabbits Reared in Nsukka, Nigeria Using Mitochondrial Dna. *Xi'an Shiyou Daxue Xuebao (Ziran Kexue Ban)/ Journal of Xi'an Shiyou University, Natural Sciences Edition* Vol: 66 Issue 11 <https://xianshiyoudaxuexuebao.com/detail.php?id=DOI:10.5281/zenodo.10224157>
15. Ali, L.C., Ikeh, N.E., Nwoga, C.C., Uberu, N.P. and **Machebe, N.S.** (2023). Reproductive Performance of Rabbit Does Subjected to Discarded Cocoa Seed Meal (*Theobroma cacao*) Based Diet. *Himalayan Journal of Agriculture*. 3(1): 1-5, DOI: 10.47310/Hja.2022.v03i01.001
16. Ali LC, Ikeh NE, Amaefule BC, Obinna AL, **Machebe N.S.** (2022). The effects of discarded cocoa (*Theobroma cacao*) seed meal-based diets on semen traits, testicular morphometry and histomorphology of rabbit bucks. *Adv. Anim. Vet. Sci.* 10(6): 1245-1254. DOI | <http://dx.doi.org/10.17582/journal.aavs/2022/10.6.1245.1254>
17. Ezenwosu C, C. O. Okeke and **N. S. Machebe** (2022) The Impact of Pawpaw (*Carica papaya*) Leaves Extract on Some Biochemical Markers, Organ and Carcass Traits of Broiler Chickens in Nsukka-Nigeria. *Asian Journal of Research in Biosciences* 4(2): 7-14,
18. Anizoba, N. W., S.C. Ugwoke, P. P. Nwuju, N.E. Ikeh, C. C. Nwoga and **N. S. Machebe**, (2022). Physiological and Growth Response of New Zealand Male Rabbits Fed Zinc Supplemented Diets. *Asian Journal of Animal and Veterinary Advances*, 17: 44-52.
19. Anizoba N W, Ugwu S O C, Ikeh N E, Uzochukwu I E, Orazulike O F and **Machebe N. S.** (2022) Periwinkle shell as an alternative calcium source on performance and egg quality of layer hens. *Livestock Research for Rural Development*. 34(2). <http://www.lrrd.org/lrrd34/1/3402nnenn.html>
20. Ezekwe, A.G., **Machebe N. S.**, and Uzochukwu I. E. (2021) Effective biotechnologies for

revolutionizing the livestock industry in Nigeria after COVID-19 pandemic. *Agro- Science* 20(4):22-27

21. C.U. Ugwuoke, G.E. Eze, R.N. Mgbenka, B.A. Omeje, E.C. Osinem, **Machebe N. S.** (2020). Effects of Dietary Intake of Moringa oleifera Leaf Meal on The Growth Performance of Pullet Chicks. *Agricultural Science Digest.* (40):194-198
22. Uzochukwu, I. E. Amaefule, B. C. Aba, C. N. Nnajiofor, N. W. **Machebe, N. S.** and Ndofor-Foleng H. (2019). Semen Characteristics and Hematology of Nigerian Local Cocks Fed Varying Dietary Levels of Ethiopian Pepper Fruit Meal. 2019 *Journal of Applied Poultry Research.* 0:1–9 <http://dx.doi.org/10.3382/japr/pfz073>.
23. **Machebe N.**, Soichiro Shimizu, Masaki Hata, Kazuki Ohata, Tetsuya Tani, and Yoko Kato (2019) Effect of phytohemagglutinin (PHA) on nuclear transfer pig embryos in vitro. *J. Mamm. Ova Res.*36 (1), 33–43
24. Abonyi, F. O; Arinzechukwu, U; Eze, D; Eze, J. I. and **Machebe, N. S.** (2018). Comparative Evaluation of Growth Performance, Serum Biochemical Profile and Immunological Response of the Nigerian Indigenous and Large White x Landrace Crossbred Pigs. *Nigerian Veterinary Journal*, 39 (1): 81 - 91.
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26. Adegoke, E.O.; Wang, C.; **Machebe, N.S.**; Wang, X.; Wang, H.; Adeniran, S.O.; Zhang, H.; Zheng, P.; Zhang, G. (2018). Microcystin-leucine arginine (MC-LR) induced inflammatory response in bovine sertoli cell via TLR4/NF-kB signaling pathway. *Environ. Toxicol. Pharmacol.* 63, 115–126
27. Adegoke E. O., **Machebe N. S.**, Ezekwe A. G. and Agaviezor O. B (2017) Effect of parity on changes in udder traits, milk yield and composition of West African dwarf sheep during lactation. *Animal Production Science*, 57, 1047–1057. <http://dx.doi.org/10.1071/AN15241>. THOMPSON REUTERS IMPACT FACTOR
28. **Machebe N.S.**, Ezekwe A.G., Okeke G.C. and Banik S. (2016) Path analysis of body weight in grower and finisher pigs. *Indian J. Anim. Research.*, 50 (5)794-798. DOI: 10.18805/ijar.11319THOMPSON REUTERS IMPACT FACTOR 0.091
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33. **Machebe N. S.**, Ugwu S. O. C, Udeh F. U., Oyibe B. O (2014) Impact of Dietary Protein on Semen Characteristics of Boars Reared under Derived Savannah Condition. *Journal of Animal Production Advances* 12/2014; 4(12):546-570. DOI:10.5455/japa.20141216110531 SCIMAGO IMPACT FACTOR 0.75
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39. Onyimonyi, A.E, **Machebe, N.S.** and Ugwuoke J. (2013) Statutory regulations of dead animal carcass disposal in Nigeria: a case study of Enugu State. *African Journal of Agricultural Research*, 8(11): 1093-1099 SNIP IMPACT FACTOR 0.90

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42. Abonyi, F.O, Ome C.V.O and **Machebe, N.S.** (2012). Neonatal mortality of pigs in Nsukka Southeast Nigeria. *African Journal of Biotechnology*, 11(68): 13228-13234 THOMPSON REUTERS IMPACT FACTOR 0.573
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