

i. Brief Biography

Tolulope Julius Williams was born on Friday 26th July, 1968 at Epe (Lagos State) to Mr. Christopher Ayodele Williams (former Minister of Lands and Housing under AG administration) and Mrs. Abosede Leah Williams (Nee Bankole). He had his primary education at Saint Michael Anglican Primary School Epe, from 1975-1981. He proceeded to Alaro Community High School for his secondary education from 1981-1986. Thereafter, he went to Lagos State Polytechnic, Ikorodu (now Lagos State University of Science and Technology) where he obtained Ordinary National Diploma (OND) in General Agriculture in 1989. He later proceeded to the University of Agriculture, Abeokuta and bagged his first degree, Second Class Upper Division in Animal Production and Health in 1995. He had his Master degree in Animal Science from the University of Ibadan, Ibadan in 2002. In 2003, he came back to the University of Agriculture, Abeokuta for his PhD and completed it in January, 2009. He worked briefly at Zartech Farms (1996-2000) and Samboye Farms (2000-2002) both in Ibadan before joining the University of Agriculture, Abeokuta as an Assistant Lecturer in January 2nd, 2008. He rose through the ranks and became a Professor in Animal Lactation and Growth Physiology in May 23, 2023. He got married to Mrs. Oluwatoyin Oluwafunke Williams (Nee Akinloye) in September 9, 1995. The marriage is blessed with four children. Tolulope Julius Williams is an ordained minister of the gospel. He is the Pastor in charge of the New Covenant Church, Jankata Centre, Ibadan, Oyo State, Nigeria.



ii.

iii. Personal Information

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| a. Name in Full: | Tolulope Julius WILLIAMS |
| b. Date of Birth: | July 26, 1968 |
| c. Place of Birth: | Epe, Lagos State |
| d. Age: | 55 Years |
| e. Sex: | Male |
| f. Marital Status: | Married |
| g. Nationality: | Nigerian |
| h. Town and State of Origin: | Lekki, Lagos State |
| i. Contact Address: | Department of Animal Physiology
College of Animal Science and Livestock Production
Federal University of Agriculture, |

P.M.B. 2240, Abeokuta, Nigeria.

iv. Department

Animal Physiology

v. Email address

williamstj@funaab.edu.ng ; tolwilly@gmail.com

vi. Phone number

+234-803-181-1086 ; +234-805-949-1086

vii. Rank

Professor

viii. Designation

Professor

ix. Researchgate Address

<https://www.researchgate.net/profile/Tolulope-Williams>

x. Linkedin Address

<https://www.linkedin.com/in/tolulopejuliuswilliams>

xi. Google Scholar Profile

<https://scholar.google.com/citations?user=U1g3EKQAAAAJ&hl=en>

xii. ORCID Number

<https://orcid.org/0000-0003-3450-5771>

xiii. Qualification

S/n	Degree	Class of Degree	Awarding Institution	Date of Award
1	O.N.D. (General Agric.)	Upper Credit	Lagos State Polytechnic, Lagos	July, 1989
2	B. Agric., (Animal Production & Health)	Second Class Upper Division	University of Agriculture, Abeokuta, Ogun State, Nigeria	October 5, 1995
3	M. Sc. (Animal Science)		University of Ibadan, Oyo State, Nigeria	March 26, 2002
4	Ph.D. Animal Physiology		University of Agriculture, Abeokuta, Ogun State, Nigeria	January 20, 2009

xiv. Membership of Professional Bodies

- a. Member Nigerian Institute of Animal Science – RAS 509
- b. Member, Animal Science Association of Nigeria (ASAN)

- c. Member, Nigerian Society for Animal Production (NSAP)
- d. Member, International Goat Association (IGA)

xv. Award Received

- a. Sir Michael Otedola University Scholarship Award for indigent students, Lagos State 1990 - 1994
- b. University of Agriculture Abeokuta Scholarship Award for best academic performance at 200 level (89/90 Session). 1991

xvi. Research Conducted

- a. Factors affecting milk yield in West African Dwarf goats and sheep
- b. Artificial rearing of kids in West African Dwarf goats
- c. Effects of coat colours and wattle on milk yield in West African Dwarf goats
- d. Use of growth promoters in poultry and small ruminants.
- e. Estimation of milk yield in small ruminants
- f. Nutritional manipulation to promote milk yield in small ruminants

xvii. Conferences Attended

- a. 46th Annual Conference of the Nigerian Society for Animal Production (NSAP) held at the Federal University, Dutsin-ma, Kastina State, Nigeria, March 14th – 18th, 2021.
- b. 1st International Dairy Summit, held at the Obafemi Awolowo University Ile-Ife, Nigeria, 10th - 13th July 2017. Presented paper titled “Milk yield in West African Dwarf goats as influenced by coat colour, liveweight, week of lactation and udder circumference”.
- c. The 4th ASAN-NIAS Joint Annual Meeting held at the University of Ibadan, September 13th – 16, 2015..
- d. The Joint Annual Meeting (JAM) of the American Dairy Science Association (ADSA), American Society of Animal Science (ASAS) and the Canadian Society of Animal Science (CSAS), held at Kansas City, Missouri USA from 20th-24th July, 2014
- e. The 3rd ASAN-NIAS Joint Annual Meeting held at the University of Ibadan, September 11th – 14, 2014.
- f. 35th Annual Conference of the Nigerian Society for Animal Production (NSAP) held at the University of Ibadan, Ibadan, Oyo State, Nigeria, March 14th – 17th, 2010. Presented paper titled “Effect of time of milking on milk yield in West African Dwarf goats “
- g. 14th Annual Conference of Animal Science Association of Nigeria (ASAN), held at the Ladoke Akintola University Ogbomosho, Nigeria, 14th – 17th September 2009. Presented paper titled “Correlation between milk yield and udder circumference before and after milking in West African Dwarf goats”,

xviii. Publications

1. Dipeolu, M.A., Eruvbetine, D. and **Williams, T.J.** (1996). Indigenous chicken rearing under village conditions. *International Journal of Animal Science* 11:63 – 67. **INDIA [ACADEMIC RESOURCE INDEX]**
2. Egbunike, G.N., **Williams, T.J.** and Agiang, E.A. (2008). Utilization of crude testis extract to enhance broiler production in the humid tropics. *Global Journal of Agricultural Sciences*, 7 (1): 27 -30. Available online at www.ajol.info/index.php/gjass/article/view/2354 **NIGERIA**
3. Abioja, Monsuru Oladimeji, Kabir Babatunde Ogundimu, Titilayo Esther Akibo, Kayode Ezekiel Odukoya, Oluwatosin Olawanle Ajiboye, John Adesanya Abiona, **Tolulope Julius Williams**, Emmanuel Oyegunle Oke, and Olusegun Ayodeji Osinowo. (2012). Growth, Mineral Deposition, and Physiological Responses of Broiler Chickens Offered Honey in Drinking Water during Hot-Dry Season. *International Journal of Zoology*. Published by Hindawi Publishing Corporation, **USA**. Volume 2012, 6 pages. Available online at <http://www.hindawi.com/journals/ijz/2012/403502/> **USA [SCOPUS]**
4. **Williams, T.J.**, James, I.J., Abdulateef, M.R., Onabegun, L.O., Jinadu, S.O., Falade, Y.O., Solola, F.T. Adewumi O.O. and Oke O.E. (2012). Composition and specific gravity of milk of West African Dwarf sheep as affected by stage of lactation and parity. *Nigerian Journal of Animal Production*. 39 (2): 49-56. Published by The Nigerian Society of Animal Production. Available online at <http://www.ajol.info/index.php/njap/article/view/117075> **NIGERIA**.
5. **Williams T.J.**, O.A. Osinowo, O.F. Smith, I.J. James, C.O.N. Ikeobi, O.M. Onagbesan, O.O. Shittu and F.T. Solola. (2012). Effects of milking frequency on milk yield, dry matter intake and efficiency of feed utilization in wad goats. *Archivos De Zootecnia* 61 (235): 457-465. Published by The Institute of Animal Science, Faculty of Veterinary Medicine, Cordoba, Available online at http://www.uco.es/organiza/servicios/publica/az/php/img/web/01_20_10_14-2411EffectsWilliams.pdf **SPAIN [SCOPUS]**
6. Abioja, M.O., Osinowo, O.A., Smith, O.F., Eruvbetine, D. and **Williams, T.J.** (2012). Effects of month of lay on egg fertility in layer-breeder flocks in Jos, Nigeria. *Nigerian Poultry Science Journal*. 8: 70-76. Published by The World Poultry Science Association, **NIGERIAN Branch. NIGERIA**
7. Obanla, L.O., O.E. Oke, O.M. Onagbesan, **T.J. Williams**, M.O. Abioja, J.O. Daramola, and J.A. Abiona. (2013). Nutrient utilization during incubation and post-hatch juvenile growth of Nigerian indigenous chicken and two exotic strains of chicken under Nigerian condition. *Archivos De Zootecnia* 63 (242): 251-258. Published by The Institute of Animal Science, Faculty of Veterinary Medicine, Cordoba, Available online at <http://scielo.isciii.es/pdf/azoo/v63n242/art03.pdf> **SPAIN [SCOPUS]**
8. **Williams, T.J.**, I.J. James, D.A. Adekoya, M.R. Abdulateef, L.O. Onabegun, S.O. Jinadu, Y.O. Falade, O.O. Adewumi, M.O. Abioja and O.A. Osinowo. (2014): Milk Yield of West African Dwarf Sheep as Affected by Udder Stimulation, Stage of Lactation and Parity. *Nigerian Journal of Animal Production*, 41 (2): 61 – 70. Published by The Nigerian Society of Animal Production. **NIGERIA**
9. Adejinmi O.O. **Williams T.J.**, Odetola O.M. Okwelum N., Abioja M.O. and Ojezele G. (2015). Growth, Performance and Carcass Yield of Broilers Fed Standard and Low Protein Feeds with Inclusion of Dietary Crude Testosterone. *Journal of Agricultural Science*, 7 (9): 138-143. Published by Canadian Center of Science and Education,. Available online at <http://dx.doi.org/10.5539/jas.v7n9p138> **CANADA [SCIENCEOPEN]**
10. Abioja, M.O., Abiona, J.A., Sodipe, O.G., Adeleye, O.O., Akibo, T.E., Daramola, J.O., Oke, E. O., **Williams, T.J.**, Oguntuase, O.M., Oladapo, O.I., Okanlawon, O.R., Mudasiru, A.O., Siyanbola,

- A.Y., Ogunduyi, B.O., Soyiga, B.M., James, I. J. and Osinowo, O.A. (2015). Effect of Coconut Water on Rectal Temperature and Blood Glucose in Broilers Subjected to Acute Heat and Transportation Stress. *Nigerian Journal of Animal Science*, 17 (1 & 2): 141-147. Published by Animal Science Association of Nigeria. **NIGERIA**
11. Oke, O. E., Adejuyigbe, A. E., Idowu, O. P., Sogunle, O. M., Ladokun, A. O., Oso, A. O., Abioja, M. O., Abiona, J.A., Daramola, J. O., Whetto, M., Jacobs, E. B., **Williams, T. J.** and Njoku, C. P. (2015): Effects of housing systems on reproductive and physiological response of guinea fowl (*Numida meleagris*). *Journal of Applied Animal Science*; 8 (1): 47-55. Published by The Faculty of Veterinary Science, Mahidol University, Available online at <http://www.vs.mahidol.ac.th/jaas/Files/Vol8No1/JAAS1%288%29%2715%20RS%20Oke.pdf> **THAILAND [TCI]**
 12. Abioja, M.O., Abiona, J.A., **Williams, T.J.**, Smith, O.F., James, I.J., Oke, O.E., Daramola, J.O. and Osinowo, O.A. (2015). Egg fertility and hatchability in *Avians* broiler-breeder hens under humid tropical conditions. *Nigerian Journal of Animal Production*, 42 (2): 21 – 27. Published by The Nigerian Society of Animal Production. Available online at <http://www.ajol.info/index.php/njap/article/view/134178> **NIGERIA.**
 13. **Williams, T.J.**, O.A. Olumoko, B.O. Balogun, A.A. Ala, O. A. Aina, M.O. Abioja, Oke E.O. and O.A. Osinowo. (2015). Effects of Coat Colour and Wattle on Physiological Profile and Performance of West African Dwarf Goats. *Nigerian Journal of Animal Science*, 17 (1 & 2): 154-161. Published by Animal Science Association of Nigeria. **NIGERIA**
 14. **Williams, T.J.**, I. J. James, O.O. Adewumi, M.O. Ozoje, A.T Ajibola, and M. O. Ohayi. (2015). Milk yield and rectal temperature in West African Dwarf goats as affected by wattle and litter size. *Nigerian Journal of Animal Production*, 42 (2):37 – 44. Published by The Nigerian Society of Animal Production. Available online at <http://www.ajol.info/index.php/njap/article/view/134182> **NIGERIA**
 15. Daramola, J.O., Adekunle, E.O., Oke, O.E., Onagbesan, O.M., Iyasere, O.S., **Williams, T.J.**, James, I.J., Oyewusi, I.K. and Oyewusi, J.A. (2015). Effects of pyridoxine supplementation or in combination with other antioxidants on motility, in vitro capacitation and acrosome reaction of goat buck spermatozoa during cryopreservation. *Small Ruminant Research*, 131: 113–117. **Published by International Goat Association. Available online: <http://www.sciencedirect.com/science/article/pii/S0921448815300444> THE NETHERLANDS [SCIMAGO].**
 16. Abiona J. A., Ogunsola, O. A, Daramola, J. O., Ajayi, O. L., Ladokun, A. O., Abioja, M. O., **Williams, T. J.**, Oke, O. A., Osinowo, O. A., and Onagbesan, O. M. (2016). Effect of *Mucuna pruriens* on Ovo-Testis Histology of Giant African Land Snail (*Archachatina marginata*). *Nigerian Journal of Animal Science*, 18 (1): 25-31. Published by Animal Science Association of Nigeria. **NIGERIA**
 17. **Williams, T.J.**, Ohayi, M. O., Akinrele, L. N., Daramola, J.O., Oke, O.E. and Iyasere, O.S. (2016). Influence of udder stimulation, stage of lactation and parity on milk yield in West African Dwarf goats. *Nigerian Journal of Animal Production*, 43 (1): 61 – 69. Published by The Nigerian Society of Animal Production. Available online: <http://www.ajol.info/index.php/njap/article/view/134201> **NIGERIA**
 18. Abioja, M.O., Iyanda, O.A., Akinjute, O.F., James, I.J., **Williams, T.J.** and Daramola, J.O. (2016). Comparison of infrared, electronic digital and mercury-in-glass thermometers: 2. red Sokoto goats. *Bulletin of Animal Health and Production in Africa*, 64 (3): 299-306. Published by African Union Inter-African Bureau for Animal Resources. **KENYA**

19. Adewumi, O.O., Okwelum, N., **Williams, T.J.**, James I.J., Sowande, O.S., Akinlabi E.T., Osunlaja, A., Omololu, B.A., Mufutau, S.O. and Jinad, R.O. (2017). Effect of dietary protein levels on milk component, udder parameters, blood and physiological indices of West African Dwarf goats. *Nigerian Journal of Animal Production*, 44 (1): 161 – 172. Published by The Nigerian Society of Animal Production. **NIGERIA**.
20. Daramola, J.O., Adekunle, E.O., Oke, O.E., Onagbesan, O.M., **Williams, T.J.** Iyasere, O.S., James, I. J., Oyewusi, I.K. and Oyewusi, J.A. (2017). Effects of pyridoxine in combination with different antioxidants on viability and oxidative stress parameters of cryopreserved goat buck semen. *Archivos De Zootecnia*. 66 (253): 15-21. Published by The Institute of Animal Science, Faculty of Veterinary Medicine, Cordoba, www.redalyc.org/pdf/495/49551221003.pdf **SPAIN [SCOPUS]**
21. Oke, O. E., Emeshili, U. K., Iyasere, O. S., Abioja, M. O., Daramola, J. O. Ladokun, A. O., Abiona, J. A., **Williams, T. J.**, Rahman, S. A., Rotimi, S. O., Balogun S. I. and Adejuyigbe A. E. (2017). Physiological responses and performance of broiler chickens offered olive leaf extract under a hot humid tropical climate. *Journal of Applied Poultry Research*, 26:376–382. Published by Poultry Science Association Inc. Available online: <http://dx.doi.org/10.3382/japr/pfx005> **USA [SCIMAGO]**.
22. Isa, A.M., Bemji, M.N., Wheto, M., **Williams, T.J.** and Ibeagha-Awemu, E.M. (2017). Mutations in inhibin alpha gene and their association with litter size in Kalahari Red and Nigerian goats. *Livestock Science* 203, 106–109. Published by Elsevier B.V. <http://dx.doi.org/10.1016/j.livsci.2017.07.012> **THE NETHERLANDS [SCIMAGO]**.
23. James, I.J., Osinowo, O.A., Smith, O.F., Bemji, M.N., **Williams, T.J.**, Ajayi, O.L., Oluwole, O. and Olaniyi, M.O. (2017). Effects of bovine somatotropin on milk yield, mammary gland weight and histology in West African Dwarf goats. *Archivos De Zootecnia*. 66 (254): 173-179. Published by The Institute of Animal Science, Faculty of Veterinary Medicine, Cordoba, <https://www.uco.es/ucopress/az/index.php/az/article/download/2319/1532> **SPAIN [SCOPUS]**
24. Adewumi, O.O., Oluwatosin, B.O., Tona, G.O., **Williams, T.J.** and Olajide, O.O. (2017). Milk yield and milk composition of Kalahari Red goat and the performance of their kids in the humid zone. *Archivos De Zootecnia*. 66 (256): 587-592. Published by The Institute of Animal Science, Faculty of Veterinary Medicine, Cordoba, **SPAIN [SCOPUS]**
25. Iyasere, O. S., James, I. J., Akinsanya, O. O, **Williams, T. J.** and Daramola, J. O. (2017) Suckling behaviour of West African dwarf goat kids. *Nigerian Journal of Animal Production*, 44(3):378 – 383. Published by The Nigerian Society of Animal Production. **NIGERIA**.
26. Okwelum, N., Adewumi, O.O., Akinduti, P.A., Mshelbwala, F.M. and **Williams, T.J.** (2017). Prevalence of suspected peste des petits ruminants infection and complicating bacteria in goats in Abeokuta, Ogun State, Nigeria. *Nigerian Journal of Animal Production*, 44(3):43 – 48. Published by The Nigerian Society of Animal Production. **NIGERIA**
27. Olaniyi T. A., Aina A. B. J., Sowande O. S. and **Williams T. J.** (2018). Influence of dietary mineral sources on milk yield and composition of West African Dwarf Does. *Journal of Agricultural Science and Practice*. 3:19-26. JASP-08.12.17-067 www.integrityresjournals.org/jasp/index.html **NIGERIA**
28. Iyasere O.S, James I.J, **Williams, T.J.** Daramola J.O., Lawal K.O., Oke O.E., Iyasere E.. (2018). Behavioural and physiological responses of West African Dwarf Goat dams and kids subjected to short-term separation. *Agricultura Tropica Et Subtropica*, 51(1):1–10. Published by Mendel Faculty of Regional Development and International Studies, University in Brno. DOI:10.1515/ats-2018-0001. **CZECH REPUBLIC [TDNET]**

29. **Williams, T.J.**, Ozoje, M.O., Adewumi, O.O.O., Okwelum, N., Iyasere, O.S., Abioja, M.O. Opeloyeru, O.K. and Awotedu O.O. (2019). Milk yield in West African Dwarf goats as influenced by coat colour, liveweight, week of lactation and udder circumference *Nigerian Journal of Animal Production*, 46 (3):325 - 332. **NIGERIA.**
30. Isa A.M, Bemji M.N., Wheto M., **Williams T.J.**, Ibeagha-Awemu E.M. (2019). Characterization of gonadotropin releasing hormone receptor gene in Sokoto and Kalahari Red goats. *Animal Reproduction Science* 208 (1-8). Published by Elsevier B.V. <https://doi.org/10.1016/j.anireprosci.2019.106109> **THE NETHERLANDS [SCIMAGO].**
31. Emmanuela U. Nwosu, I.J. James, O. Olowofeso, **T.J. Williams**, Martha N. Bemji. (2019). Effects of oxytocin administration on milk yield and milk composition of West African Dwarf does. *Small Ruminant Research* 181, 45–50. Published by International Goat Association. <https://doi.org/10.1016/j.smallrumres.2019.09.012> **THE NETHERLANDS [SCIMAGO].**
32. Abioja, M. O., **Williams, T. J.**, Abiona, J. A. and Iyasere, O. S. (2020). Seasonal variations in egg fertility and hatchability in layer-breeder hens under two climatic conditions. *African Journal of Agriculture, Technology and Environment*, 9(1): 73-85. Published by University of Port-Harcourt, **NIGERIA**
33. J.O. Daramola, M.O. Abioja, O.S. Iyasere, O.E. Oke, B.C. Majekodunmi, M.O. Logunleko, E. O. Adekunle, E.U. Nwosu, O.F. Smith, I.J. James, **T.J. Williams**, J.A. Abiona. (2021). The resilience of Dwarf goats to environmental stress: A review. *Small Ruminant Research*, 205: 106534. Published by International Goat Association. **THE NETHERLANDS [SCIMAGO].**
34. **Williams T.J.** Yusuf O.I. James I.J., Isah O.A., Okwelum N., Oke E.O., and Daramola J.O. (2022). Potentials of Exogenous Melatonin Administration on Growth and Performance of West African Dwarf Bucks. *Bulletin of the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Animal Science and Biotechnologies*, 79 (2) 46-55.: Published by Universitatea de Ştiinţe Agricole şi Medicină Veterinară..Accepted. **ROMANIA [THOMSON]**
35. Nwosu, E. U., James, I. J., Olowofeso, O., **Williams, T. J.** and Bemji, M. N. (2022). Lactation curve parameters and characteristics of West African dwarf goats. *Nigerian Journal Animal Production*. 49(1):77-88. Published by the Nigerian Society for Animal Production. **NIGERIA.**
36. Adewumi, O.O. Ernest, K., Oni, A.O., **Williams, T.J.**, Kwaghfan, S., Oloruntoba, O.V.,Toviesi, D.P., Adewumi, A.D., Adewumi, A.A., Onabanjo, O.O., Ashimolowo, O.R., Fasae, O.A., Awoyomi, O.J. Adebayo, K.O., Adeniyi, E., Bangbose, A., Akin-Aina, O.F. and Opadeji, O.M.(2023) Performance and Economy of Production of Lactating West African Dwarf goats offered Cassava Leaf Supplemen. *Nigerian J. Anim. Sci.* 25 (1): 158-164. **NIGERIA**
37. **Williams, T.J.**, Osinowo, O.A., Onadeko, S.A., Smith, O.F., James I.J., C.O.N. Ikeobi and Onagbesan, O.M. (2009). Correlation between milk yield and udder circumference before and after milking in West African Dwarf goats. *Proceedings, 14th Annual Conference of Animal Science Association of Nigeria*. J.A. Akinlade, T.B. Olayeni, T.A. Rafiu, A.O. Akinwunmi, O.A. Aderinola, O.O. Ojebiyi and A.A. Odunsi (Eds.) 72-74. Published By ASAN. **NIGERIA.**
38. **Williams, T.J.**, O.A. Osinowo, S.A. Onadeko, O.F. Smith, I.J. James, C.O.N. Ikeobi and O.M. Onagbesan. (2010). Effect of time of milking on milk yield in West African Dwarf goats. *Proceedings, 35th Annual Conference of The Nigerian Society of Animal Production*. O.J. Babayemi, O.A. Abu and E.O. Ewuola (Eds.) 540-542. Published by NSAP. **NIGERIA.**
39. **Williams, T.J.**, James, I.J., Abdulateef, M.R., Onabegun, L.O., Jinadu, S.O. and Falade, Y.O. (2012). Effect of stage of lactation and parity on specific gravity of milk of West African Dwarf sheep.

- Proceedings, 37th Annual Conference of the Nigerian Society for Animal Production.* I.I. Bitto, F.G. Kaankuka and S. Attah. (Eds.) 124-126. Published by NSAP. **NIGERIA.**
40. James, I.J., O.A. Osinowo, O.F. Smith, M.N. Bemji, **T.J. Williams** and P.I. Rekwot. (2010). Effects of bovine somatotropin on changes in udder circumference and milk yield of West African Dwarf goats during lactation. *Proceedings, 35th Annual Conference of The Nigerian Society of Animal Production.* O.J. Babayemi, O.A. Abu and E.O. Ewuola (Eds.) 151-154. Published by NSAP. **NIGERIA.**
 41. Bemji, M.N., Akala, A.A., Osinowo, O.A., and **Williams, T.J.** (2007). Comparative study of live weights of West African Dwarf and Red Sokoto kids artificially and naturally reared. *Proceedings, 32nd Annual Conference of the Nigerian Society for Animal Production.* E.A. Agiang, L.N. Agwunobi and O.O. Olawoyin (Eds.) 62-65. Published by NSAP. **NIGERIA.**
 42. Abioja, M.O., **Williams, T.J.**, Osinowo, O.A., Smith, F.O. and Eruvbetine, D. (2011). Seasonal variations in egg fertility and hatchability in flocks of broiler-breeder hens in Sapele, Nigeria. *Proceedings, 1st African International Poultry Summit.* S.I. Ola, A.V. Jegede and A.O. Fafiolu (Eds.) 72-76. Published by WPSA-Nigerian Branch. **NIGERIA.**
 43. James, I.J., Osinowo, O.A., Smith, O.F., Bemji, M.N., **Williams, T.J.** and Rekwot P.I. (2009). Effects of bovine somatotropin on changes in udder circumference after cessation of milking in West African Dwarf goats. *Proceedings, 14th Annual Conference of Animal Science Association of Nigeria.* J.A. Akinlade, T.B. Olayeni, T.A. Rafiu, A.O. Akinwunmi, O.A. Aderinola, O.O. Ojebiyi and A.A. Odunsi (Eds.) 291-293. Published by ASAN. **NIGERIA.**
 44. Daramola, J.O., Adekunle, E.O., Oke, O.E., **Williams, T.J.**, Iyasere, O.S., James, I. J., Oyewusi, I.K., Oyewusi, J.A. (2015). Effects of pyridoxine on motility, *in vitro* capacitation and *in vitro* acrosome reaction of goat buck spermatozoa during cryopreservation. *Proceedings, 40th Annual Conference of the Nigerian Society of Animal Production.* I.A. Adeyinka, M. Kabir, S.B. Abdu, G.I. Erakpotobor, M.R. Hassan and A.O. Iyiola-Tunji. (Eds.) 92-94. Published by NSAP. **NIGERIA.**