

## PROFILE OF ACADEMIC STAFF – SMITH OLUSIJI FREDERICK

i) Brief Biography SMITH, Olusiji Frederick is a Professor of Animal Endocrinology in the Department of Animal Physiology, Federal University of Agriculture, Abeokuta. He holds a Ph.D. from Central Luzon State University, Munoz, Philippines (1990). He was substantive HOD (2018) and Deputy Director (2015). His current research is on hormones of reproduction in farm animals. He has successfully supervised 11 Ph.Ds. and 34 Masters. He was appointed a full professor in 2014. He has taught full-time for 24 years. His email address is [smithof@funaab.edu.ng](mailto:smithof@funaab.edu.ng) His telephone number is 08034592474.

ii) Passport-sized Photograph



iii) Personal Information

(a) <b>NAME:</b>	SMITH, Olusiji Frederick
(b) <b>DATE OF BIRTH:</b>	April 17, 1961
(c) <b>PLACE OF BIRTH:</b>	Lagos, Nigeria
(d) <b>AGE:</b>	62 years
(e) <b>SEX:</b>	Male
(f) <b>MARITAL STATUS:</b>	Married
(g) <b>NATIONALITY:</b>	Nigeria
(h) <b>TOWN AND STATE OF ORIGIN:</b>	Abeokuta, Ogun State
(i) <b>CONTACT ADDRESS:</b>	Department of Animal Physiology, Federal University of Agriculture, Abeokuta
(j) <b>TELEPHONE NUMBER:</b>	08034592474
(k) <b>E-MAIL ADDRESS:</b>	<a href="mailto:smith_olusiji@yahoo.com">smith_olusiji@yahoo.com</a> ; <a href="mailto:smithof@funaab.edu.ng">smithof@funaab.edu.ng</a>

iv) Department: Animal Physiology

v) E-mail Address: [smithof@funaab.edu.ng](mailto:smithof@funaab.edu.ng); [smith\\_olusiji@yahoo.com](mailto:smith_olusiji@yahoo.com)

vi) Phone Number: 08034592474

vii) Rank: Professor

viii) Designation: Professor

ix) Researchgate Address: <https://www.researchgate.net/smith-olusiji>

x) LinkedIn Address: <https://www.linkedin.com/smith-olusiji-67217034/>

xi) Google Scholar Profile:

xii) ORCID Number: 0000-0003-4748-3524

xiii) Qualification: BSc., Msc; PhD

xiv) Membership of Professional Bodies

1. Life member, Philippine Society of Animal Science, University of the Philippines at Banos, Department of Animal Science, Philippines
2. Registered Animal Scientist (NIAS/RAS/00448), Nigerian Institute of Animal Science
3. Life member, Science Association of Nigeria
4. Member, National Academy of Science and Technology, Philippines
5. Member, Nigerian Society of Animal Production
6. Member, West African Society for Animal Production
7. Member, Nigerian Field Society
8. Member, Animal Science Association of Nigeria
9. Society for Animal Reproduction and Improvement (SARI), Nigeria

xx) Award Received

1. Graduate Student Assistantship, Institute of Graduate Studies. Department of Animal Science, Central Luzon State University, Munoz, Nueva Ecija, Philippines, 1988-1990. Under the Project Philippine Carabao Research and Development Centre now Philippine Carabao Centre, Central Luzon State University, Philippines (FAO/UNDP/PHI/86/005)
2. Best Paper Award, Animal Science Students' Category **"The influence of fresh azolla on the growth performance of broilers"**. 7<sup>th</sup> Annual Regional Agricultural Research Symposium held at Central Philippine University, Jaro, Iloilo City, Philippines, March 13-14, 1986.3. Best Paper Award, Large Ruminant Category **"Ovarian responses and pregnancy rate of Carabao treated with PGF<sub>2</sub> alpha followed by GnRH and AI at one pre determined time"**. 25<sup>th</sup> Annual Scientific Convention of the Philippine Society of Animal Science. Held at South-East Asian Regional Council for Agriculture (SEARCA), Philippines.
4. 2010 Research Project Award from Institute of Food Security, Environmental Resources and Agricultural Research (IFSERAR), Federal University of Agriculture, Abeokuta, Nigeria to a tune of N356,475 on the project, **"Non-surgical embryo transfer in Muturu cows"** for a year.
5. University of Agriculture, Abeokuta Award to the Department of Animal Physiology. As Acting Head of Department of Animal Physiology in 2010 and collectively with other members of staff of the Department clinched the **FIRST**

position in a University WEBOMETRIC Ranking Competition among other 40 Departments of the University.

6. 2010 Innovators of Tomorrow Grant by Science and Technology Education. Post-Basic Project (STEP-B) under the auspices of the Federal Ministry of Education, Abuja and World Bank for my postgraduate student Mr. Ogunsola, A. A. (M.Agric). This is to a tune of N500,000. This is on the study: **In vitro maturation of bovine granulosa cells using IGFII and gonadotropins for steroid hormone production.**
7. 2012 research grant award from Grant Management Office, Federal University of Agriculture, Abeokuta awarded to Dr. O.F. Smith, Prof. O.A. Osinowo, Prof. Oladele Gazal, Mr. A.A. Philip and Mr. A. Asoro with tag sum of N1.42Million for the research titled: **Determination of endocrine correlates of coat colour-induced effects on reproduction and their responsiveness to different doses of gonadotropin releasing hormone in West African Dwarf (WAD) goats – FUNAAB Directorate of Grant Management Award – 01-2012.**
8. Provincial Pastor's Competition of the Redeemed Christian Church of God, Ogun Province 6. Placed 5<sup>th</sup> in the Senior Pastors Table Tennis event. 26<sup>th</sup> June, 2013 at Federal University of Agriculture, Abeokuta Sports Pavillion
9. Reviewer Excellence Award: In recognition of his significant and outstanding contribution as reviewer of Indian Journal of Animal Research and Asian Journal of Dairy and Food Research. Presented by Agricultural Research Communication Centre, India on 15 November 2016. [www.arccjournals.com](http://www.arccjournals.com)
10. Reviewer Excellence Award as reviewer of Agricultural Science Digest. Presented by Agricultural Research Communication Centre, India on 3<sup>rd</sup> September 2019. [www.arccjournals.com](http://www.arccjournals.com)
11. Reviewer Excellence Award: In recognition of significant and outstanding contribution to the Journal and reviewing the article titled: Studies on Biochemical Parameters, Antioxidant Status and Metallothionein (Mt-2) Expression, in Lead, Nickel and Cadmium Exposed Buffaloes. Presented by Indian Journal of Animal Research of the Agricultural Research Communication Centre, India on 20<sup>th</sup> July 2020. [www.arccjournals.com](http://www.arccjournals.com)
12. Certificate of Excellence in Reviewing in recognition of an outstanding contribution to the quality of the Journal of Pharmaceutical Research International August 2020. Certificate No: SDI/HQ/PR/Cert/60459/OLU
13. Reviewer Excellence Award: In recognition of significant and outstanding contribution to the Journal and reviewing the article titled: Molecular targets of phyto-bioactive compounds on female reproductive system in mammals.

Presented by Indian Journal of Animal Research of the Agricultural Research Communication Centre, India on 01<sup>st</sup> October 2020. [www.arccjournals.com](http://www.arccjournals.com)

xxi) Research Conducted:

1. **Smith, O.F.** 1986. The influence of fresh azolla on the growth performance of broilers. B.Sc. Thesis, Central Philippine University, Jaro, Iloilo City, Philippines. 28pp.
2. **Smith, O.F.** 1988. Determination and comparison of the effects of different levels of sun-dried and oven-dried layer waste on growth, feed consumption, feed efficiency, mortality and carcass yield of broilers. M.Sc. Dissertation, Central Luzon State University, Munoz, Nueva Ecija, Philippines 3120. 80pp.
3. **Smith, O.F.** 1990. Ovarian structures and follicular population in water buffaloes. Ph.D. Thesis. Central Luzon State University, Munoz, Nueva Ecija, Philippines 3120. 229pp.

xxii) Conference Attended

1. L T Egbeyale, O O Adeleye, O D Olabisi, O Y Ayo-Ajasa, O F Smith, O G Sodipe, M Julius, D Gazal and O S Sowande. 2018. Replacement of soybean meal with *Nannochloropsis* spp: its effect on growth performance of weaner rabbit. Proceedings of the British Society of Animal Science. Advances in Animal Biosciences. Innovation to Compete in the Global Livestock Industry. Vol 9(1): 28
2. Imade, O.V., Erinfolami, W.A., Rahman, S.A., Abioja, M.O., Ajadi, R.A., Smith, O.F. and Gazal, O.S. 2017. Effects of dietary inclusion of *Lepidium sativum* seed on gonadotropin secretion in ovariectomized, estradiol-implanted rabbits. 15<sup>th</sup> Annual Conference of the Neuroscience Society of Nigeria held at Baze University, Abuja, Plot Coo, Kuchigoro along Jabi Airport Ring Road. July 11-14, 2017. Pp10-11
3. Ochefu, J., Ladokun, A. O., **Smith, O. F.**, Iposu, S. O., Okwelum, N. and Omire, O. 2017. Effect of location and breed on serum parameters of cattle in Benue and Ogun States of Nigeria. ABUJA 2017. 6<sup>th</sup> ASAN-NIAS Joint Annual Meeting of the Animal Science Association of Nigeria & Nigerian Institute of Animal Science. September 10 – 14, 2017. THEME: Sustainable Livestock Production for National Development Held at NAF Conference Centre, PLOT 496, Ahmadu Bello Way, Kado, Abuja Edited by Ososanya, T. O., Bawa, G. S., Yashim, S. M. and Owosibo, A. O.

4. Ogunfuye, B.A., Ikeobi, C.O.N., **Smith, O.F.**, Adeleke, M.A., Adebambo, A.O., Wheto, M., Ogunlakin, D.O., Mohammed, A.A., Decampos, J.S. and Adenaike, A.S. 2016. Evaluation of serum protein polymorphism in WAD and Red Sokoto goats. Proceedings of the 41<sup>st</sup> Annual Conference of Nigerian Society for Animal Production. Held at Federal University of Agriculture, Abeokuta, March 20-24, 2016 pp818-820
  
5. Falana, O.I., **Smith, O.F.**, Gazal, O.S., Olowofeso, O., Okwelum, N., Sodipe, O.G. and Ochefu, J. 2012. Effect of bitter cola (*Garcinia cola*) extract on luteinizing hormone testosterone levels in West African Dwarf bucks. Proceedings of 17<sup>th</sup> Annual Meeting of Conference of Animal Science Association of Nigeria; Abuja 2012 1<sup>st</sup> Joint Annual Animal Science Association of Nigeria (ASAN) and Nigerian Institute of Animal Science (NIAS). Theme: Agricultural Transformation: Strategies and Policies for Livestock Development in Nigeria at Merit House, Abuja. G.N. Akpa, F.A.S. Dairo, G.S. Bawa, I.P. Solomon, K.U. Amaefuele, A.A. Odunsi and A.O. Ladokun (eds.). 9<sup>th</sup> – 13<sup>th</sup> September, 2012. pp184 – 187. Published by Animal Science Association of Nigeria (ASAN).
  
6. **Smith, O.F.** and Gazal, O.S. 2012. Single injection protocol for estrus synchronization in sheep. Proceedings of 37<sup>th</sup> Annual Conference of the Nigerian Society for Animal Production held at College of Animal Science, University of Agriculture, Makurdi, 143. Nigeria. I. I. Bitto, F.G. Kaankuka and S. Attah (eds.). 18<sup>th</sup> – 21<sup>st</sup> March, 2012. pp142- Published by Nigerian Society for Animal Production (NSAP).
  
7. Oyeleye, D. O., **Smith, O. F.** and Jayeoba, W. A. 2012. The growth response of snails (*Archachatina marginata*) reared on different soil types. Proceedings of the 1<sup>st</sup> International Conference on Giant African Land Snails held at the Federal University of Agriculture, Abeokuta, Ogun State. S. I. Ola, G. A. Dedeke and A. O. Fafiolu (Eds.).

12<sup>th</sup> – 15<sup>th</sup> February, 2012. pp89-91. Published by the Institute for Food Security, Environmental Resources and Agricultural Research (IFSERAR), Federal University of Agriculture, Abeokuta.

8. Abioja, M. O., Williams, T. J., Osinowo, O. A., **Smith, O. F.** and Eruvbetine, D. 2011. Seasonal variations in egg fertility and hatchability in flocks of broiler breeder hens in Sapele, Nigeria . Proceedings of 1<sup>st</sup> Africa International Poultry Summit (AIPS) held at University of Agriculture, Abeokuta, Nigeria. Theme: Climate Change: Implications for Poultry Production in Africa. Editors: S.I. Ola, A.V. Jegede and A.O. Fafiolu on February 22-24, 2011 pp72-76
9. Abioja, M.O., Osinowo, O. A., **Smith, O. F.**, Eruvbetine, D. and Abioja, J. A. 2010. Effects of cold water and vitamin C on rectal temperature and respiratory rate of broiler chickens during hot-dry season in the southwestern Nigeria. Proceedings of the 15<sup>th</sup> Annual Conference of Animal Science Association of Nigeria (ASAN) held at University of Uyo, Uyo, Nigeria. O.J. Ufot, U.A. Inyang, I.P. Akpan and I.E. Ebeso (Eds). 13<sup>th</sup> – 16<sup>th</sup> September, 2010. pp194–196. Published by ASAN
10. Okwelum, N., Iposu, S. O., Sowande, O. S., **Smith, O. F.**, Takeet, M. I., Olugboji, E. I. and Rahman, S. A. 2011. Prevalence of trypanosome infection in trade cattle slaughter in Lafenwa abattoir, Abeokuta, Nigeria. Proceedings of the 5<sup>th</sup> Pan Commonwealth Veterinary Conference. Organized by Commonwealth Veterinary Association and Ghana Veterinary Medical Association held at Accra, Ghana. Dr. S. Abdul Rahman (Ed.). Theme: The Role of Veterinarians and Livestock Farmers in Food Security and Poverty Alleviation. 21-25 March, 2011. pp 239-241
11. Shittu, O. O., **Smith, O. F.** and Osinowo, O. A. 2010. The ratio of roughage to concentrate on milk secretion rate in goats. Proceedings of the 15<sup>th</sup> Annual Conference of Animal Science Association of Nigeria (ASANUYO 2010), University of Uyo, O.J. Ufot, U.A. Inyang, I.P. Akpan and I.E. Ebeso (Eds). 13<sup>th</sup> – 16<sup>th</sup> September,

2010. pp583 – 586. Published by ASAN
12. Williams, T. J., Osinowo, O. A., Onadeko, S. A., **Smith, O. F.**, James, I. J., Ikeobi, C. O. N. and Onagbesan, O.M. 2010. Effect of time of milking on milk yield in West African Dwarf goats. Proceedings of the 35<sup>th</sup> Annual Conference of Nigerian Society for Animal Production (NSAP) Univ. Ibadan, Ibadan. O. J. Babayemi, O. A. Abu and E. O. Ewuola (Eds.) 14<sup>th</sup> March to 17<sup>th</sup> March 2010. pp540-542. Published by NSAP.
  13. James, I. J., Osinowo, O. A., **Smith, O. F.**, Bemji, M. N., Williams, T. J. and Rekwot, P. I. 2010. Effects of bovine somatotropin on changes in udder circumference and milk yield of West African Dwarf goats during lactation. Proceedings of the 35<sup>th</sup> Annual Conference of Nigerian Society for Animal Production (NSAP) Univ. Ibadan, Ibadan. O. J. Babayemi, O. A. Abu and E. O. Ewuola (Eds.) 14<sup>th</sup> March to 17<sup>th</sup> March 2010. pp151-154. Published by NSAP.
  14. Ajadi, R.A., **Smith, O.F.**, Ajibola, A.O., Adeleye, O.E., Adenubi, A.O., Olusa, T.A.O. and Makinde, A.F.M. 2009. Premedication with tramadol improved the efficacy of ketamin/xylazine anaesthesia in young pigs. A Poster Paper Presented at the Proceedings of the 10<sup>th</sup> World Congress of Veterinary Anaesthesia. University of Glasgow and University of Edinburgh, Glasgow, Scotland, UK. Eddie Clutton, Derek Flaherty, Karen Blissitt, Sheilah Robertson, Patricia Pawson, Adam Auckburally, Juliet Mansel and Ian Self (Eds.). 31<sup>st</sup> August to 04<sup>th</sup> September 2009. p.155. Published by World Congress of Veterinary Anaesthesia.
  15. Williams, T.J., Osinowo, O.A., Onadeko, S.A., **Smith, O.F.**, James, I.J., C.O.N. Ikeobi and O.M. Onagbesan. 2009. Correlation between milk yield and udder circumference before and after milking in West African Dwarf goats. Proceedings of the 14<sup>th</sup> Annual Conference of Animal Science Association of Nigeria (ASAN), LAUTECH, Ogbomosho. J. A. Akinlade, T. B. Olayemi, T. A. Rafiu, A. O. Akinwunmi, O. A. Aderinola, O. O. Ojebiyi, A. A. Odunsi (Eds.). September 14-17, pp72-74. Published by ASAN.

16. James, I.J., Osinowo, O.A., **Smith, O.F.**, Bemji, M.N. and Rekwot, P.I. 2009. Effects of bovine somatotropin on milk yield and liveweight in West African Dwarf goats. Proceedings of the 34<sup>th</sup> Annual Conference of Nigerian Society for Animal Production (NSAP). B. I. Umoh, A. B. I. Udedibie, I. P. Solomon, O. L. Obasi, B. I. Okon and E. J. Udoh (Eds.). March 15-18<sup>th</sup> 2008, Faculty of Agriculture Town Campus (Annex), University of Uyo, Uyo, Akwa Ibom State. pp56-59. Published by NSAP.
17. 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 of the 14<sup>th</sup> Annual Conference of Animal Science Association of Nigeria (ASAN). J. A. Akinlade, T. B. Olayemi, T. A. Rafiu, A. O. Akinwunmi, O. A. Aderinola, O. O. Ojebiyi, A. A. Odunsi (Eds.). September 14-17, 2009. Lagoke Akintola University, Ogbomosho, Nigeria. pp291-293. Published by ASAN.
18. **Smith, O.F.** and Cruz, L.C. 2005. Response of the Philippine buffalo to two types of gonadotrophin. Proceedings of the 10<sup>th</sup> Annual Conference of Animal Science Association of Nigeria. Odua Auditorium, University of Ado-Ekiti, Nigeria. 12<sup>th</sup> to 15<sup>th</sup> September 2005, pp86-89. Published by ASAN.
19. Inah, E.I., **Smith, O.F.** and Alle, A.O. 2002. Effects of feed on the growth and reproduction rate of African giant land snail. Proceedings of the 7<sup>th</sup> Annual Conference of the Animal Science Association of Nigeria. University of Agriculture, Alabata Road, Abeokuta. A. O. Fanimu and J. A. Olanite (Eds.) 16<sup>th</sup> to 19<sup>th</sup> September 2002, pp272-274. Published by ASAN
20. Aquino, E.J., **Smith, O.F.**, Duran, P.G., Venturina, H.V., Rellin, F.T. and Cruz, L.C. 1990. Effect of time of GnRH administration on ovulation response and on corpus luteum function in post-partum buffalo cows treated with PGF<sub>2</sub> alpha for synchronization of estrus. Phil. J. Vet. and Animal Science 16 (1 and 2): 75.

xviii) Publications

1. **Smith, O.F.**, Cruz, L.C. and Aquino, E.J. 2002. Synchronization of oestrus and time of induction in post partum buffalo cows. **ASSET** Series A 1(1): 71-76. Published by University of Agriculture, Abeokuta, Nigeria.

[www.agnet.org/library/tb/153/](http://www.agnet.org/library/tb/153/)



2. **Smith, O.F.** and Cruz, L.C. 2002. Development of per vaginal route of serial observations of ovarian activities in buffalo using a simple fiberscope. **Nigerian Journal of Animal Production** 29 (1): 132-137. Published by Nigerian Society for Animal Production, Nigeria.  
[www.webdb.stii.dost.gov.ph/scidetails.jsp?sci\\_id=000578](http://www.webdb.stii.dost.gov.ph/scidetails.jsp?sci_id=000578)
3. **Smith, O.F.** 2002. Characterization of ovarian follicles in Philippine water buffaloes (*Bubalus bubalis*). **ASSET Series A** 2(1): 125-138 Published by University of Agriculture, Abeokuta, Nigeria.  
[www.unaab.edu.ng/asset/authorList.php?author=Smith&initials](http://www.unaab.edu.ng/asset/authorList.php?author=Smith&initials)
4. **Smith, O.F.** 2003. Quantification of the ovarian follicles of water buffaloes (*Bubalus bubalis*). **Nigerian Journal of Animal Production** 30 (1):133-138. Published by Nigerian Society for Animal Production, Nigeria.  
[www.ajol.info/index.php/njap/article/view/3324](http://www.ajol.info/index.php/njap/article/view/3324)
5. **Smith, O.F.** 2004. Luteolytic effects of two types of prostaglandin (Lutalyse and Fenprostalene) for synchronization of oestrus in postpartum buffalo cows. **Nigerian Journal of Animal Production** 31(2): 263-268. Published by Nigerian Society for Animal Production, Nigeria. [www.ibic.lib.ku.ac.th/e-Bulletin/2004-2.pdf](http://www.ibic.lib.ku.ac.th/e-Bulletin/2004-2.pdf)
6. **Smith, O.F.**, Cruz, L.C., Duran, P.G., Venturina, H.V. and Adriano, F. 2004. Successful transfer of Murrah buffalo embryo into Philippine swamp buffalo recipients by non-surgical technique. **ASSET Series A** 4 (1): 55-60. Published by University of Agriculture, Abeokuta, Nigeria.  
[www.unaab.edu.ng/asset/article.php?id=214](http://www.unaab.edu.ng/asset/article.php?id=214)
7. Inah, E.I., Orimoyegun, S.O. and **Smith, O.F.** 2004. Herbaceous cover and soil properties in wildlife habitats in Nigeria. **Journal of League of Researchers in Nigeria** 5 (1): 1-9. Published by League of Researchers in Nigeria.
8. **Smith, O.F.** 2005. Growth and replacement of the ovarian follicles during the

estrous cycle in Philippine buffaloes. ***Nigerian Journal of Animal Production*** 32 (2): 308-314. Published by Nigerian Society for Animal Production, Nigeria.

[www.agnet.org/library/tb/153/](http://www.agnet.org/library/tb/153/)

9. Inah, E.I., **Smith, O.F.** and T. Swande. 2006. Poverty reduction and assessment of traditional beekeeping in Kwande Local Government Area of Benue State, Nigeria. **ASSET Series A** 6(2):15-25. Published by University of Agriculture, Abeokuta, Nigeria.
10. **Smith, O.F.**, Inah, E.I., Oussoumane, A. and Akintunde, O.A. 2006. Human elephant relationships and assessment of crop damage in Babanrafi Forest. **ASSET Series C** 1 (1): 55-63. Published by University of Agriculture, Abeokuta, Nigeria.  
[www.unaab.edu.ng/asset/article.php?id=6](http://www.unaab.edu.ng/asset/article.php?id=6)
11. Inah, E.I., **Smith, O.F.**, Moctar, I.S. and Oyatogun, M.O. 2006. The benefits of conservation of Giraffe (*Giraffa camelopardalis*) in Koure-Boboye Forest Area of Niger Republic. **ASSET Series A** 6(2): 103-113. Published by University of Agriculture, Abeokuta, Nigeria .
12. Inah, E.I. and **Smith, O.F.** 2006. Incidence of damage to crops and livestock by wild fauna species in Bauchi and Gombe States, Nigeria. **ASSET Series A** 6(2): 91-102. Published by University of Agriculture, Abeokuta, Nigeria.
13. Inah, E. I., **Smith, O. F.**, Onadeko, S. A. and Akinola, O. O. 2007. The effects of bird species on farming activities with Osun grove, Osogbo, Osun State, Nigeria. **Journal of Food, Agriculture and Environment** 5(2): 247-250. Published by WFL Publisher Science and Technology, Helsinki, Finland  
[www.world-food.net](http://www.world-food.net)
14. Ajadi, R.A., **Smith, O.F.**, Makinde, A.F.M. and Adeleye, O.E. 2008. Increasing ketamin dose enhances the anaesthetic properties of ketamin- xylazine-midazolam combinations in growing pigs. **Journal of South African Veterinary Association** 79 (4): 205-207. Published by South African Veterinary Association.  
[www.ncbi.nlm.nih.gov/pubmed/19496321](http://www.ncbi.nlm.nih.gov/pubmed/19496321)

15. Ajadi, R.A., Olusa, T.A., **Smith, O.F.**, Ajibola, E.S., Adeleye, O.E., Adenubi, O.T., Makinde, A.F. 2009. Tramadol improved the efficacy of ketamin-xylazine anaesthesia in young pigs. **Veterinary Anaesthesia and Analgesia (formerly Journal Veterinary Anaesthesia)**. Published by Wiley-Blackwell on behalf of the Association of Veterinary Anaesthetists, USA) 36: 562-566.

[www.onlinelibrary.wiley.com/doi/10.1111/j.1467-2995.2009.00496.x/full](http://www.onlinelibrary.wiley.com/doi/10.1111/j.1467-2995.2009.00496.x/full)

16. James, I.J., Osinowo, O.A., **Smith, O.F.**, Bemji, M.N. and Rekwot, P.I. 2009. Effects of Bovine Somatotropin on Changes in Udder Dimensions after Cessation of Milking in West African Dwarf Goats. *Journal of Agricultural Science and Environment formerly ASSET Series A, An International Journal of Agricultural Sciences, Sciences, Environment and Technology* 9(2):70-78. Published by Federal University of Agriculture, Abeokuta, Nigeria.

<http://www.unaab.edu.ng/journal/index.php/SeriesA/issue/view/34>

17. Abdussamad, M.A., Osinowo, O.A., **Smith, O.F.** and Onadeko, S.A. 2010. Some Haemolymph Biophysical Parameters in the Giant African Land Snail *Archachatina marginata* During a Six-Week Aestivation Period. **Global Veterinaria** 4(4):400-408. Published by Idosi Publications, an online foreign journal. Pakistan

[www.idosi.org/gv/gv4\(4\)10.htm](http://www.idosi.org/gv/gv4(4)10.htm).

18. Abdussamad, M.A., Osinowo, O.A., **Smith, O.F.** and Onadeko, S.A. 2010. Liveweight Changes and Mortality Rate in the Giant African Land Snail *Archachatina marginata* During a Six-Week Aestivation Period. **World Journal of Zoology** 5(2): 75-81. Pakistan. Published by Idosi Publications, an online foreign journal, Pakistan.

[www.idosi.org/wjz/wjz5\(2\).htm](http://www.idosi.org/wjz/wjz5(2).htm).

19. James, I.J., Osinowo, O.A., **Smith, O.F.**, Bemji, M.N. and Rekwot, P.I. 2010. Estimation of Optimal Dose of Bovine Somatotropin needed for Maximum Milk Yield Response in West African Dwarf Goats. *Journal of Agricultural Science and Environment formerly ASSET Series (A). An International Journal of Agricultural*

14. Published by Federal University Agriculture, Abeokuta, Nigeria.

<http://www.unaab.edu.ng/journal/index.php/SeriesA/issue/view/36>

20. James, I.J., Osinowo, O.A., **Smith, O.F.**, Bemji, M.N. and Rekwot, P.I. 2010. Effects of Bovine Somatotropin on the Pattern of Milk Yield Within and Between Injection Intervals in West African Dwarf Goats. *Journal of Agricultural Science and Environment formerly ASSET Series (A). An International Journal of Agricultural Sciences, Sciences, Environment and Technology* 10(1):86-97. Published by Federal University of Agriculture, Abeokuta, Nigeria.

<http://www.unaab.edu.ng/journal/index.php/SeriesA/issue/view/35>

21. **Smith, O. F.**, Ogunsola, A. A., Ladokun, A. O. and Ajadi, T. A. 2011. *In vitro* maturation of bovine granulosa cells for steroid hormone production. **Archivos de Zootecnia 60(232): 1331-1334. Published by Universidad de Cordoba, Spain.**  
<http://www.uco.es/organiza/servicios/publica/az/az.htm>

22. Abioja, M. O., Osinowo, O. A., **Smith, O. F.**, Eruvbetine, D. and Abiona, J. A. 2011. Evaluation of cold water and vitamin C on broiler growth during hot-dry season in SW Nigeria. **Archivos Zootecnia 60(232): 1095-1103. Published by Universidad de Cordoba, Spain.**

<http://www.uco.es/organiza/servicios/publica/az/az.htm>

23. **Smith, O. F.**, Ogunsola, A. A., Ladokun, A. O., Ajadi, T. A. and Onagbesan, O.M. 2012. Synergistic effects of insulin-like growth factor (IGFII) and FSH on bovine granulosa cells. **Archivos de Zootecnia 61(234):305-308. Published by Universidad de Cordoba, Spain.**

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