

Profile of Dr. WHETO, Mathew

Dr. Wheto, Mathew is an Animal breeder, geneticist and biotechnologist with a lot of research experience in quantitative and genomic analysis. He is a Registered Animal Scientist (RAS) and a Lecturer I in the Department of Animal Breeding and Genetics at the Federal University of Agriculture, Abeokuta. He is a research scientist working with Program for Emerging Agricultural Research leadership (PEARL) sponsored by Bill and Melinda Gate foundation on the use of genomic selection and proteomics to identify superior indigenous chicken's line for growth and egg traits. He was a visiting scholar to Cornell University, Ithaca, NY, USA for three month working on gene expression and transcriptomic expression of heat tolerance traits in temperate and tropical breed of cattle.

Dr. Wheto is a member of many professional bodies such as Animal Science Association of Nigeria (ASAN), World Poultry Science Association (WPSA) Nigerian Branch, Nigeria Society for Animal Production (NSAP), Genetic Society of Nigeria (GSN) and a member of Editorial Board, Nigeria Journal of Biotechnology. He is also a seasoned reviewers for many academics journal within and outside the country. Dr, Wheto is also versatile in the use of statistical, molecular and some Bioinformatics tools which include SAS, DNAsp, MEGA, ClustalW/X, Bioedit, Codoncode Aligner, qPCR/PCR machine, Primer3. He has run analyses include: Single nucleotide Polymorphism detection, multiple sequences Alignment, Phylogeny tree, Secondary and Tertiary structure prediction, Annotation of sequences using Map viewer, Primer design using Primer3.

Wheto has a humble background and have established connections with professional colleagues within and outside the country. He can work independently and can equally work with people of diverse cultural backgrounds to achieve desired objectives at all times. He has Co-supervised more than five (5) M.Agric. students and many undergraduate students working on genetic variation and sequence analysis of some selected immune response and growth related gene in both small ruminant and the Nigerian indigenous chicken. The long-term goal of his research activities is to molecularly characterize the Nigerian ruminant and chicken population using candidate gene approach, to carry out genetic diversity in immune related genes and development of chicken lines for the Nigerian environment.

CURRICULUM VITAE

WHETO, Mathew, PhD

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I. EDUCATIONAL INSTITUTIONS ATTENDED (with dates)

First Degree University of Agriculture, Abeokuta, Ogun State

Second Degree University of Agriculture, Abeokuta, Ogun State

Third Degree Federal University of Agriculture, Abeokuta, Ogun State

II. ACADEMIC QUALIFICATIONS

Bachelor of Agriculture, December 2000

M. Agric (Animal Breeding and Genetics), September 2005

PhD (Animal Biotechnology), August, 2012

III. DISTINCTION AND AWARDS

World Bank Step B Innovators of Tomorrow (IOT) Research Award, 2010

Research Scientist, PEARL Project (Bill and Melinda Gates Foundation) on Indigenous Chicken Project for poverty alleviation

Visiting Scholar to Cornell University, Ithaca, NY, USA, October, 2015- January, 2016

TETFUND Institution- Based Research Intervention award winner, 2015

IV. SERVICE TO THE NATIONAL AND INTERNATIONAL BODIES

a. Students Coordinator, CORNEL – FUNAAB Small Ruminant Biotech. Research

b. Enumerator, GIS Studies of health facilities in Ogun State

c. Facilitator and Resource Person, Federal University of Agriculture, Abeokuta, Animal Biotechnology and its application to Animal Science.

V. SKILLS AND TECHNIQUES

DNA and RNA extraction, Polymerase Chain Reaction, Primer Optimization, Agarose Gel Electrophoresis, Basic bioinformatics using NCBI/BLAST Analysis, SNPs identification, PCR RFLP, SAS, SPSS

VI. PROFESSIONAL DEVELOPMENT COURSES

Molecular and Statistical Genetics Workshop: A training workshop organized by the Department of Cell Biology and Genetics, University of Lagos, Nigeria in collaboration with Cornell University, Ithaca, USA. 26th -30th Oct, 2009. (Certificate of Attendance awarded).

Animal Functional Proteomics Workshop: A training workshop organized by the Department of Animal Breeding and Genetics, University of Agriculture in collaboration with the World Bank-Assisted Science and Technology Education Post Basic Project. 14th - 21st September, 2009. (Certificate of Attendance awarded).

Animal Genomics and Bioinformatics Workshop: A training workshop organized by the Department of Animal Breeding and Genetics in collaboration with the World Bank-Assisted Science and Technology Education Post Basic Project from June 14-21, 2009. (Certificate of Attendance awarded)

Laboratory Techniques in Animal Molecular Genetics, Bioinformatics and Statistical Genetics in Animal Breeding: A training workshop organized by Department of Animal Breeding and Genetics, University of Agriculture, Abeokuta. 3rd – 8th January, 2008. (Certificate of Attendance awarded).

Workshop on Grant Writing and Study Abroad: A training workshop organized by Department of Animal Breeding and Genetics, University of Agriculture, Abeokuta. 18th - 19th December, 2007. (Certificate of Attendance awarded).

VII. LIST OF PUBLICATIONS

Thesis, dissertation and project

Wheto, M. 2012. Molecular Genetic Variation and Diversity of Toll-Like Receptor Genes in Nigerian Goat Breeds. Ph.D. Thesis, Department of Animal Breeding and Genetics, Federal University of Agriculture Abeokuta, June 2012. 219pp.

Wheto, M. 2005. Genetic Evaluation of Colour Types and Growth Performance of Improved Indigenous Crossbred Chicken for meat Production. M. Agric. Dissertation, Department of Animal Breeding and Genetics, Federal University of Agriculture of Agriculture Abeokuta, September 2005. 69pp.

Wheto, M. 2001. The Growth and Carcass Characteristics of Indigenous, Exotic Pure and Crossbred Chickens. Bachelor of Agriculture degree project, Department of Animal

Breeding and Genetics, Federal University of Agriculture of Abeokuta, February, 2001. 59pp.

Published Peer-Reviewed Articles

1. Yakubu, A., Idahor, K.O., Haruna, H.S., **Wheto, M.** and Amusan, S. 2010. Multivariate analysis of phenotypic differentiation in Bunaji and Sokoto Gudali cattle. *Acta Agriculturae Slovenica* 96: 75 – 80.
2. Adebambo, A.O., Adeleke, M.A., **Wheto, M.**, Peters, S.O., Ikeobi, C.O.N., Ozoje, M.O., Oduguwa, O.O. and Olufunmilayo A. Adebambo. 2010. Combining abilities of carcass traits among pure and crossbred meat type chickens. *International Journal of Poultry Science* 9 (8): 777 – 783
3. Adebambo, A.O., **Wheto, M.**, Adeleke, M.A., Ikeobi, C.O.N., Ozoje, M.O., Oduguwa, O.O. and Olufunmilayo A. Adebambo. 2012. Genetic Control of Carcass traits among Nigerian pure and crossbred meat type chickens. *Nigerian Journal of Animal Production* 39(1): 13 – 30
4. Agaviezor, B.O., Adefenwa, M.A., Peters, S.O., Yakubu, A., Adebambo, O.A., Ozoje, M.O., Ikeobi, C.O.N., Ilori, B. M., **Wheto, M.**, Ajayi, O.O., Amusan, S.A., Ekundayo, J.O., Okpeku, M., Onasanya, G.O., De Donato, M. and Imumorin, I.G. 2012. Morphological and molecular genetic diversity of Nigerian sheep. *Journal of Animal Science and Biotechnology* 3(1) 38 doi: 10.1186/2049-1891-3-38.
5. Agaviezor, B.O., Adefenwa, M.A., Peters, S.O., Yakubu, A., Adebambo, O.A., Ozoje, M.O., Ikeobi, C.O.N., Ilori, B.M., **Wheto, M.**, Okpeku, M., De Donato, M. and Imumorin, I.G. 2012. Genetic diversity analysis of the mitochondrial D-loop of Nigerian indigenous sheep. *Animal Genetic Resources* 50: 13 – 20.
6. Adefenwa, M.A., Peters, S.O., Agaviezor, B.O., **Wheto, M.**, Adekoya, K.O., Okpeku, M., Oboh, B., Williams, G.O., Adebambo, O.A., Singh, M., Thomas, B., De Donato, M. and Imumorin I.G. 2013. Identification of Single Nucleotide Polymorphisms in the Agouti Signaling Protein (ASIP) gene in some goat breeds in tropical and temperate climates. *Molecular Biology Reports* 40(7): 4447 – 4457.
7. Takeet, M. I., Fagbemi, B. O., De Donatos, M., Yakubu, A., Rodulfo, H. E., Peters, S. O., **Wheto, M.**, and Imumorin, G. I. 2013. Molecular survey of pathogenic trypanosomes in naturally infected Nigerian cattle. *Research in Veterinary Science* 94: 555 – 561.
8. Adefenwa, M.A., Agaviezor, B.O., Peters, S.O., **Wheto, M.**, Ekundayo, O.J., Okpeku, M., Oboh, B.O., Adekoya, K.O., Ikeobi, C.O.N., De Donato, M., Thomas, B.N. and Imumorin, I.G. 2013. Novel intron 2 polymorphism in the melanophilin gene is in Hardy-Weinberg equilibrium and is not associated with coat color in goats. *Open Journal of Genetics* 3: 195 – 200.

9. Yakubu, A., Salako, A.E., De Donato, M., Takeet, M.I., Peters, S.O., Adefenwa, M.A., Okpeku, M., **Wheto, M.**, Agaviezor, B.O., Sanni, T.M., Ajayi, O.O., Onasanya, G.O., Ekundayo, O.J., Ilori, B.M., Amusan, S. A., and Imumorin, I.G. 2013. Genetic diversity in exon 2 of the Major Histocompatibility Complex Class II DQB1 locus in Nigerian goats. *Biochemical Genetics* 51 (11-12): 954 – 966.
10. Sanni, T., Onasanya, G., Adefenwa, M. A., Yakubu, A., Ikeobi, C. O. N., Adebambo, O.A., Talabi, A. O., Ozoje, M., **Wheto, M.**, Takeet, M. I., Peters, S. O., De Donato, M., Thomas, B. and Imumorin, I. G. 2013. Molecular diagnosis of subclinical African Trypanosoma vivax infection and association with physiological indices and serum metabolites in extensively managed goats in the tropics. *Open Journal of Veterinary Medicine* 3(01): 39-45
11. Decampos, J.S., Ikeobi, C.O.N., Olowofeso, O., Smith, O.F., Adeleke, M.A., **Wheto, M.**, Ogunlakin, D.O., Mohammed, A.A., Sanni, T.M., Ogunfuye, B.A., Lawal, R.A., Adenaike, A.S. and Amusan, S.A. 2013. Effects of Coat colour genes on Body Measurements, Heat tolerance traits and haematological parameters in West African Dwarf Sheep. *Open Journal of Genetics* 3: 280 – 284.
12. Adenaike, A.S., Osisanya, T.O., Ogunsola, O.D., Asine, A.O., **Wheto, M.**, Ogunlakin, D.O., Amusan, A.S. and Ikeobi, C.O.N. 2013. Combining Ability and Inheritance of Growth Traits in Rabbits. *Journal of Biology, Agriculture and Healthcare* 3 (13): 102-107.
13. Ajayi, O.O., Adefenwa, M.A., Agaviezor, B.O., Ikeobi, C.O., **Wheto, M.**, Okpeku, M., Amusan, S.A., Yakubu, A., De Donato, M., Peters, S.O. and Imumorin IG. 2013. A novel TaqI Polymorphism in the Coding Region of the Ovine TNXB gene in the MHC class III region: Morphostructural and Physiological influences. *Biochemical Genetics* 52 (1-2): 1 – 14.
14. Durosaro, S.O., Oyetade, M.S., Ilori, B.M., Adenaike, A.S., Olowofeso, O., **Wheto, M.**, Amusan, S.A., Osho, S.O. and M.O. Ozoje. 2013. Estimation of Body weight of Nigerian Local Turkey from Zoometrical Measurements at 4, 8, and 12 Weeks of Age. *Global Journal of Science Frontier Research (Biotech and Genetics)* 13: 1 – 4.
15. Adenaike, A.S., Peters, S.O., Fafiolu, A.O., Lawal, R.A., **Wheto, M.** and Ikeobi, C.O.N. 2013. Bioinformatic analyses of kappa casein gene in mammalian livestock species. *Nigerian Journal of Animal Production* 40 (2): 7 – 12.
16. Amusan, S.A., Ikeobi, C.O.N., Adebambo, A.O., Agaviezor, B.O., **Wheto, M.**, Durosaro, S.O., Adenaike, A.S., Ilori, B.M., Adedeji, T.A. and Adebambo, O.A. 2013. Effect of chicken genotype on growth performance and feed consumption in the development of broiler lines. *Nigerian Journal of Animal Production* 40 (2): 1 – 6.
17. Adeleke, M.A., Peters, S.O., Ogunmodede, D.T., Oni, O.Y., Ajayi, O.L., **Wheto, M.**, Adebambo, O.A. 2014. Genotype effect on distribution pattern of maternally derived

- antibody against Newcastle disease in Nigerian local chickens. *Tropical Animal Health and Production* 47(2): 391- 394.
18. Adebambo, A.O., Adeoye, R.A., Osikomaya, O.A., Durosaro, S.O., Ilori, B.M., Sanda, A.J., **Wheto, M.** and Adebambo, O.A. 2015. Frequencies of some morphological features in indigenous chickens of South-Western Nigeria. *Nigerian Journal of Animal Production*, 42(1): 4-10.
 19. **Wheto, M.**, Ilori, B.M., Sanda, A.J., Adeleke, M.A., Durosaro, S.O., Adenaike, A.S., Adebambo, A.O., Ikeobi, C.O.N., Onagbesan, O.M., Ozoje, M.O. and Adebambo, O.A. 2015. Morphological characterization and evaluation of heat tolerance traits in Nigerian goat breeds. *Nigerian Journal of Animal Production*, 42(2): 1-13.
 20. Ilori, B.M., **Wheto, M.**, Durosaro, S.O., Akano, K., Adebambo, A.O. and Adebambo, O.A. 2016. Polymorphism of IGF1 promoter and the UTR regions of Nigerian locally adapted chickens. *Journal of Biology, Agriculture and Healthcare* 6(10): 143-150
 21. Takeet, M.I., Peters, S.O., Fagbemi, B.O., Marcos De Donato, Takeet, V.O., **Wheto, M.**, and Imumorin, I.G. 2016. Phylogeny of Trypanosoma brucei and Trypanosoma evansi in naturally infected cattle in Nigeria by analysis of repetitive and ribosomal DNA sequences. *Tropical Animal Health and Production* 48(6): 1235-1240.
 22. Olowofeso, O., **Wheto, M.**, Durosaro, S.O., Bankole, K.O., Adepoju, D.A., Folarin, O.V. 2016. Combined Exclusion Probabilities of Ten Microsatellite Markers used with Nigerian Chicken Populations. *European International Journal of Science and Technology* 5(4): 21- 32.
 23. Takeet, M.I., Fagbemi, B.O., Peters, S.O., **Wheto, M.**, Yakubu, A. , Marcos DeDonato, and Imumorin, I.G. 2016. Differential IFN-Gamma (IFN- γ), Interleukin 10 (IL-10) and Cardiac Troponin I (cTnI) Responses in Natural Bovine Trypanosomosis in Nigeria. *Open Journal of Veterinary Medicine* 6:105-111.
 24. Okpeku, M., Peters, S.O., Imumorin, I.G., Caires, K.C., Sharma, V.K., **Wheto, M.**, Tamang, R., Adenaike, A.S., Ozoje, M.O. and Thangaraj, K. 2016. Mitochondrial DNA hypervariable region 1 in Nigerian goats. *Animal Genetic Resources* 59: 47-54.
 25. Ilori, B.M., Durosaro, S.O., Adebambo, A.O., Akano, K., **Wheto, M.**, Ajibike, A.B. and Ozoje, M.O. 2016. Genetic diversity of exon 3 of Toll like Receptor 4 in Nigerian indigenous turkey. *Nigerian Journal of Genetics* 30 (1): 86-93
 26. Durosaro, S.O., Taiwo, O.T., Sanda, A.J., **Wheto, M.**, Ilori, B.M., Adebambo, A.O. and Ozoje, M.O. 2016. Comparison of non-linear growth models in describing the growth curve of Nigerian indigenous turkeys. *Nigerian Journal of Genetics* 31: 102- 109.
 27. Takeet, M.I., Fagbemi, B.O., Peters, S.O., DeDonato Marcos, Takeet, V.O., **Wheto, M.** and Imumorin, I.G. 2016. Molecular characterisation of Sub-population of Trypanosoma congolense detected in naturally infected cattle from Nigerian, based on nuclear and ribosomal DNA sequences. *Nigerian Journal of Genetics* 31: 12- 21.

28. Bello-Ibiyemi, A.A., **Wheto, M.**, Adenaike, A.S., Decampos, J.S., Ogunlakin, D.O., Atunnise, M., Shola, S. and Ikeobi, C.O.N. 2016. Principal Component Regression of the Morphostructural traits of West African Dwarf Sheep. **Nigerian Journal of Animal Production** 43(2): 62 – 70.
29. Sanda, A.J., Olorunkoya, S.O., Olowofeso, O., Durosaro, S.O., **Wheto, M.**, Ilori, B.M. and Sanda, M.O. 2016. Regression and correlation coefficient of growth traits in crosses involving Arbor Acre and locally adapted Nigerian chickens. **Nigerian Poultry Science Journal** 12: 1 - 9
30. **Wheto, M.**, Adeleke, M.A., Ilori, B.M., Durosaro, S.O., Sanda, A.J., Adenaike, A.S., Adebambo, A.O., Akano, K., Ikeobi, C.O.N. and Adebambo, O.A. 2016. Growth hormone gene polymorphism and its effect on carcass characteristics in improved Nigerian Indigenous chicken. **Nigerian Poultry Science Journal** 12: 29 - 34.
31. Takeet, M.I., Fagbemi, B.O., Peters, S.O., DeDonato, M., Yakubu, A., **Wheto, M.** and Imumorin, I.G. 2017. Genetic Diversity among Trypanosoma vivax strains detected in naturally infected cattle in Nigeria based on ITS1 of rDNA and diagnostic antigen gene sequences. **Journal of Parasitology Discipline** 41(2): 433 – 441.
32. **Wheto, M.**, Adenaike, A. S., Sanda, A. J., Ilori, B.M., Akano, K., Sanni, T., Olowofeso, O., Ikeobi, C.O.N. and Adebambo, O.A. Association between Insulin Like Growth Factor-1 gene polymorphism and carcass traits in improved Nigerian Indigenous Chicken. **Nigerian Journal of Biotechnology** 33: 125-130.
33. 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.
34. Bemji, M.N., Isa, A.M., Ibeagha-Awemu, E.M. and **Wheto, M.** 2017. Polymorphism of Caprine GnRHR gene and their association with litter size in West African Dwarf goats. **Molecular Biology Reports**. DOI 10.10033-107-4141-0.
35. Yakubu, A., Salako, A.E., De Donato, Marcos, Peters, S.O., Takeet, M.I., Wheto, M. and Okpeku, M. 2017. Association of SNP variants of MHC Class II DRB gene with thermophysiological traits in tropical goats. **Tropical Animal Health and Production** 49: 323-336.
36. Yakubu, A., Salako, A.E., Donato, M.D., Takeet, M.I., Peters, S.O., Wheto, M., Okpeku, M. and Imumorin, I.G. 2016. Interleukin-2 (IL-2) gene polymorphism and association with heat tolerance in Nigerian goats. **Small Ruminant Research** 141: 127-134.

Published Abstracts and Conference Proceedings:

37. **Wheto M.**, S.O. Peters, K. Akano, C.O.N. Ikeobi and O.A. Adebambo. 2004. Growth performance of local, crossbred and exotic chickens reared intensively. *Proceedings of the 29th Annual Conference of the Genetics Society of Nigeria*, University of Agriculture, Abeokuta. October 11 - 14th 2004. pp 130 – 133.

38. Agaviezor, B.O., Ajayi, F.O., **Wheto, M.**, Ozoje, M. O., and Adebambo, O.A. 2009. Strain Effect on Genetic interrelationship existing between egg weight, age and body weight at first egg in pure exotic and crossbred chicken. *In: Proceedings of the 3rd Nigeria International Poultry summit*, Dheb Michael Events and Halls, Abeokuta, Ogun State, Nigeria. February 22-26, 2009.pp 71-74.
39. Folarin, I.A., Peters, S.O., Idowu, O.M.O., **Wheto, M.**, Adeleke, M.A., Ajayi, O.O., Oduwole, G.M. and Ikeobi, C.O.N. Genetic Variation in the Heat Tolerance of Chickens in Western Nigeria. *Proceedings of the 16th Annual Conference of the Animal Science Association of Nigeria*, Kogi State University, Anyigba, September 12 - 15, 2011. Pp. 16 - 18.
40. Agaviezor, B.O., Adefenwa, M.A., Adebambo, O.A., Okpeku, M., Peters, S.O, Ikeobi, C.O.N., Ilori, M., **Wheto, M.** and Imumorin, I.G. Mitochondrial DNA Analysis of Genetic Structure in Nigerian Sheep. *Proceedings of the 16th Annual Conference of the Animal Science Association of Nigeria*, Kogi State University, Anyigba, September 12 - 15, 2011. pp 5 - 8.
41. Adenaike, A.S., Peters, S.O., **Wheto, M.**, Adeleke, M.A. and Ikeobi, C.O.N. Allelic Variation and its Effect on Alpha 1 Casein Gene in Goat Milk. *Proceedings of the 16th Annual Conference of the Animal Science Association of Nigeria*, Kogi State University, Anyigba, Sept. 12 - 15, 2011. pp 2 - 4.
42. Adenuga, O.A., Adenaike, A.S., **Wheto, M.**, Amusan, S.A., Durosaro, S.O., Adenaike, O.D., Peters, S.O., and C.O.N. Ikeobi. 2012. Sequence Analysis of Major Histocompatibility Complex Class II DRB I and II genes in Domestic animals. *Proceedings of the 17th Annual Conference of Animal Science Association of Nigeria*, International Conference Centre, Abuja, September 9 – 13, 2012. pp 41- 43.
43. **Wheto, M.**, Adebambo, O.A., Peters, S.O., Durosaro, S.O., Adenaike, A.S., Amusan, A.S., Lawal, R.A. and Ikeobi, C.O.N. 2012. Effect of Genotype and Sex on the Carcass Characteristics of Improved Local Chicken for Meat Production. *In: Proceeding of the 36th Annual conference of Genetics Society of Nigeria*, University of Calabar, Calabar, October 15 - 18, 2012. Pp 10 – 13.
44. Bamisile, K.K., Bemji, M.N., **Wheto, M.**, Sowande, O.S., Omotosho, B.O., James, I.J., Umejesi, S.I., Lawal, A.M., Oluwatosin, B.O. and Okwelum, N. 2016. *Proceedings of the 41st Annual Conference of Nigerian Society for Animal Production*, held in Federal University of Agriculture, Abeokuta, March 20 – 24, 2016. Pp 828 – 831.
45. 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 West African Dwarf goat and Red Sokoto goats. *Proceedings of the 41st Annual Conference of Nigerian Society for Animal Production*, held in Federal University of Agriculture, Abeokuta, March 20 – 24, 2016. Pp 818 – 820.

46. Okpeku, M., **Wheto, M.**, Nodu, M.B., Ozoje, M.O. and Ikeobi, C.O.N. 2016. Genetic Diversity and Evolutionary analysis of goat mtDNA HVRI. *Proceedings of the 41st Annual Conference of Nigerian Society for Animal Production*, held in Federal University of Agriculture, Abeokuta, March 20 – 24, 2016. Pp 13 – 15.
47. **Wheto, M.**, Ilori, B.M., Akano, K., Adebambo, O.A, Ojoawo, H.O., Durosaro, S.O., Sanda, A. J. and Adebambo, A.O. 2016. Effect of IGF1 gene polymorphism on carcass traits in Improved Nigerian Indigenous chicken. *Proceedings of the 41st Annual Conference of Nigerian Society for Animal Production*, held in Federal University of Agriculture, Abeokuta, March 20 – 24, 2016. Pp 6 – 9.
48. Okpeku, **M.**, **Wheto, M.**, Peters, S.O., Sharma, V.K., Tamang, R., Reddy, N.A.G., Agaviezor, B.O., Adefenwa, M.A., Ozoje, M.O., Ikeobi, C.O.N., Thaganraj, K. and Imumorin, I.G. 2011. Genetic diversity and origin of Nigerian domestic goats based on mtDNA HVR1 sequences. *19th International Conference on Plant and Animal Genomes (Plant and Animal Genomes XVII)*, San Diego, CA. January 14 – 19. 2011.
49. Agaviezor, B.O., Adebambo, O.A., Adefenwa, M.A., Okpeku, M., Peters, S.O., Ikeobi, C.O.N., Ozoje, M.O., Ilori, M., **Wheto, M.** De Donato, M. and Imumorin, I.G. 2011. Population genetic structure of Nigerian sheep based on microsatellite DNA markers. *19th International Conference on Plant and Animal Genomes (Plant and Animal Genomes XVII)*, San Diego, CA. January 14 - 19. 2011.
50. Yakubu, A., Okpeku, **M.**, **Wheto, M.**, Amusan, S., Ilori, B.M., Ajayi, O.O., Onasanya, G.O., Adefenwa, M.A., Agaviezor, B.O., Ikeobi, C.O.N., Okpeku, M., Takeet, M.I., De Donato, M. and Imumorin, I.G. 2011. Multivariate analysis of morphological differentiation in Nigerian Goats. *Joint ADSA-ASAS Annual Meeting*, New Orleans, LA. July 10 – 14, 2011.
51. **Wheto, M.**, Sanni, T., Onasanya, G.O., Adefenwa, M.A., Agaviezor, B.O., Ikeobi, C.O.N., Okpeku, M., Yakubu, A., Peters, S.O., Ekundayo, J.O., Ozoje, M.O., De Donato, M and Imumorin, I.G. 2012. Identification of single nucleotide polymorphisms in TLR1, TLR2, TLR3 and TLR5 genes in Nigerian goats. *20th International Conference on Plant and Animal Genomes (Plant and Animal Genomes XX)*, San Diego, CA. January 14 -18. 2012.

VIII. EXTRA CURRICULAR ACTIVITIES: Reading, singing and Researching

IX. NAMES AND ADDRESSES OF REFEREES

PROF (MRS) OLUFUNMILAYO A. ADEBAMBO

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