**CURRICULUM VITAE**

1. **PERSONAL DATA**

Name: PROFESSOR PHILIP MAKAMA DAWUDA

Email address: philipmakama@gmail.com;

 pm.dawuda@nul.ls

Cell phone no. +26657387117

Date of Birth: 1st May 1956

Place of Birth: Fido-Kagoma

Nationality: Dual Citizenship – British/Nigerian

Permanent Home Address: No.1 Fido Road, Fido-Kagoma, Via Kafanchan,

 Jema’a LGA, Kaduna State, Nigeria

 Correspondence Address: Dept. of Animal Science,

Faculty of Agriculture,

National University of Lesotho,

 Roma Box 180, Maseru, Lesotho, Southern Africa

Marital Status: Married

Present Rank : Professor of Theriogenology

1. **CONSULTANCY SERVICE EXPERIENCES**
2. Veterinary Consultant and Service Provider: Crossbreeding of Nigerian indigenous zebu cattle using frozen semen of exotic dairy breeds. This was a National Dairy Development Project (NDDP) for Kano State Nigeria sponsored by Bill & Melinda Gates Foundation 2018-2019
3. Veterinary Consultant to Kaduna State Government on veterinary matters: establishment of new commercial livestock farms and assessment of the socio-economic impact of livestock development projects in improving socio-economic standards of rural farming communities in Kaduna State Nigeria 2011-2015.
4. Veterinary Consultant: Integrated Dairies Limited – IDL (Farm Fresh®) Vom-Jos, Plateau State, Nigeria 2012 to 2017
5. Veterinary Consultant: Nagari Integrated Dairy Limited Keffi, Nasarawa State Nigeria 2011-2015
6. Veterinary Consultant: Mega Canaan Farm Limited, Bara-Kagoma, Kafanchan, Jema’a Local Government Area, Kaduna State, Nigeria
7. Veterinary Consultant: Hygat Farm Limited Abuja Nigeria for the establishment and management of Dairy, Piggery and Poultry farms 2010 - 2016
8. Veterinary Consultant: Hundred Fold Farm Limited Abuja Nigeria for the establishment and management of Piggery and Poultry farm
9. Joint Consultancy services with Kadnordica Company Limited Denmark 2015 to date: We are involve in training livestock farmers on health and feeding management tips and supplying them with exotic dairy breeds, exotic pig breeds, incubators/hatcheries of various capacities and feed mills of various capacities from Denmark and other European countries.
10. **CURRENT RESEARCH FOCUS AND APPLICATION OF TECHNOLOGY AT FARMERS LEVEL**
* Control of green house gasses (GHG) emission in Merino sheep dairy cows in Lesotho livestock production system
* Development of demonstration/commercial dairy farms for Lesotho
* Improvement of milk and wool production through SME dairy farmers and Merino sheep farmers’ integration using a blended approach of Artificial Insemination (AI)/Natural Insemination (NI) and farmers training scheme
* Application of molecular techniques in the area of gene editing to produce crops and animals that are resistant to climate shocks such as droughts, floods, diseases, pests, short gestation period and high yielding varieties of crops and animals
* Engaging graduate training on projects jointly designed by the university, Ministry of agriculture, Ministry of Science and Technology and Ministry of |Communications in conjunction with Farmers Associations in Lesotho
1. **EDUCATIONAL INSTITUTIONS ATTENDED WITH DATES:**
2. London Oriental College East Ham, England, UK 2004-2005
3. Bedford College Bedfordshire, England, UK 2002-2003
4. Robert Gordon University Aberdeen Scotland, United Kingdom 1995-1996
5. Aberdeen University, Aberdeen Scotland, United Kingdom 1991-1995
6. Ahmadu Bello University Zaria Nigeria 1984-1988
7. Ahmadu Bello University Zaria Nigeria 1976-1981
8. Advanced College of Science and Technology Zaria Nigeria 1974-1976
9. Government Secondary Secondary School Kagoro Nigeria 1970-1974
10. ECWA Transferred Primary School Fadan Kagoma Nigeria 1963-1969

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1. **QUALIFICATIONS OBTAINED WITH DATES**
2. Doctor of Philosophy (PhD), Aberdeen Scotland, United Kingdom: 1995
3. Master of Business Administration (MBA), Aberdeen Scotland, UK: 1996
4. Master of Science (M.Sc.), Ahmadu Bello University Zaria, Nigeria: 1988
5. Doctor of Veterinary Medicine (DVM), Ahmadu Bello University Zaria, Nig: 1981
6. Teaching Certificate for Further and Adult Education (Foundation), UK: 2003
7. Teaching Certificate for Further and Adult Education (Stage 1 & 2), UK: 2005
8. Interim Joint Matriculation Board (IJMB) ‘A’ Level certificate: 1976
9. West Africa Education Certificate (WAEC): ‘O’ Level Certificate: 1974
10. First School Leaving Certificate (FSLC): 1969

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1. **OTHER TRAINING COURSES ATTENDED – PROFESSIONAL AND LEADERSHIP/MANAGERIAL COURSES**
2. Certificate: FAO/IAEA training on the use of RIA/ELISA techniques in the diagnosis of reproductive diseases in farm animals, Nairobi, Kenya (November 1986)
3. Certificate:ISO22000:2005 Food Safety Management Implementation Course Certification (04-08th December 2006) organised by the Standards Organisation of Nigeria.
4. Certificate: Change Management, Entrepreneurship and Leadership in the Era of Globalization: A Cooperative Value Based Approach (04-13th December, 2007, Beersheba-Israel)
5. Certificate: A Four Day Workshop On Co-operative Management. Organised by the Nigerian Agricultural, Co-operative and Rural Development Bank Ltd (12th – 15th November 2007, Abuja-Nigeria).
6. Certificate: The MTN Foundation Partner Capacity Building Programme for NGO (26th – 31st March, 2007, Lagos-Nigeria).
7. Certificate: Dignity at Work Training Course (September 2004) delivered by “Law at Work, UK”
8. Certificate: Situational Leadership II Training Course (August 2004) delivered by “KenBlanchard Companies, UK”.
9. Certificate: “People skills Training Course” (May 2004) delivered by Ridge Associates, Inc. UK.
10. Certificate: “Green Belt Training Course” (April 2004) delivered by Amazon.com.UK An American Online Retail Company. Based in UK

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1. **CHARITY ORGANISATION:**
2. Chairman, Board of Trustees, Fantsuam Foundation Charity Organization, Kafanchan. A charity with international image in the provision of credit facilities to local women micro-financing, ICT traning skills for the youths and provision of primary health care in the local/rural communities in Jema’a Local Government Area, Kaduna State, Nigeria.
3. Chairman, Board of Trustees, Restoration and Revival Outreach Ministry Fido-Kagoma, Kafanchan, Jema’a LGA, Kaduna State Nigeria

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1. **WORK EXPERIENCE**
* **2017 – Date:** (i) Head of Department of Animal Science (2019-2020) (ii) Dean, Faculty of Agriculture, The National University of Lesotho (2020 – Date) (iii) Professor of Theriogenology/Animal Science at the National University of Lesotho. (iv) Experience in mentoring and lectures of PhD, MSc and undergraduate students.
* **2010 – 2017:** Professor of Theriogenology at the Federal University of Agriculture Makurdi Benue State Nigeria. Experience in lectures of PhD, MSc and undergraduate students (2010-2017). Head of Department of Theriogenology and deputy Dean of College of veterinary medicine
* **2005 – 2019:** Training of artificial insemination technicians (AITs) for:

(1) Integrated Dairies Limited, Vom\_Jos, Plateau State Nigeria (2005-2015)

(2) Mega Canaan Farms Limited Bara-Kagoma Kafanchan, Jema’a LGA, Kaduna State Nigeria (2008-2015)

(3) Sahel Consultants: National Dairy Development Project (NDDP) in Kano, Kano State Nigeria (2018-2019). Funded by Bill and Melinda Gates Foundation. This project worth USD ($) 850,000.

* **2008 – 2012:** Initiated a conceptual Dairy Partnership between Integrated Dairies Limited (Farm Fresh) Vom-Jos Nigeria and MTN Foundation Nigeria worth about USD ($) 300,000 to cross breed our Nigerian national dairy herds using artificial insemination (AI) techniques.
* **2008 – 2011:** Managing Director, Mega Canaan Farms Nigeria Limited, Bara-Kagoma, Via Kafanchan, Kaduna State. A very large integrated livestock/crop farm that has dairy cows, beef cattle, fishery, piggery, poultry, palm oil plantation and feed mills (for production of feeds for fish and livestock). The farm has over 2000 hectares in three different sites.
* **2005 – 2008:**
1. General Manager Integrated Dairy Farm Limited, Vom-Jos, Plateau State). A large dairy herd of Friesian breed of over 600+ milking herd. The farm produces milk, processed it into value added products such as yoghurt (drinking and stirred), cheese and pasteurized fresh milk. These products are then marketed throughout the whole country.
2. Managing Director, Animal Welfare & Integrated Services Limited (AWIS), Vom-Jos, Plateau State. A livestock/marketing company that breeds dairy animals, collect milk, process and market it. It also carries out community services such as AI services, health and nutrition tit bits for livestock farmers.
3. Executive Director (Livestock and Consultancy Services). This is an consultancy outfit that is vested with the sole responsibility of sources for consultancy services in the field of livestock health programme, establishment of pasture and feeds formulation and AI services for livestock farmers.
* **2002 – 2005:** Supervisor, Amazon.co.uk. Bedford, England, UK (an online American retailer company). Supervised about 55-68 staff drawn from different cultural, ethnic and religious background (African, Europeans, Asians and American).
* **March 2001 – November 2001:** Animal Health Officer, Dept. of Environ. Food and rural Affairs (DEFRA), Essex, England, UK. One of the Veterinarians drafted in to help curtail the devastated effect of the dreaded deadly disease of cloven animals – Foot and Mouth Disease (FMD) that threaten the entire UK socio-economic situation in the year 2001.
* **1999 – 2001:** Research Associate, Royal Veterinary College (RVC) London, England, UK. Was the field staff responsible for the planning and execution of the research grant given to the RVC London by the Ministry of Agriculture, Fisheries and Forestry (MAFF) to study the effect of urea protein on the fertility of dairy cows in the UK.
* **1997 – 1998:** Postdoctoral Research Fellow, Scottish Agricultural College, Aberdeen, Scotland, UK. I was involved in a team that studied the effect of nutrition on embryo development in sheep.
* **1983 – 1996:** Senior Research Fellow, Ahmadu Bello University, Zaria, Nigeria. I was involved in the national breeding programme of our native cows (Bunaji Zebu cow) with semen from dairy breeds bulls (Friesian) o genetically upgrade their milk production. I rose rapidly to the rank of a Senior Research Fellow in less than 10 years of my employment.
* **1982 – 1983:** Veterinary Research Officer (VRO) National Veterinary Research Institute (NVRI) Vom-Jos, Plateau State Nigeria. In charge of the research and production of Haemorrhagic Septiceamia Vaccine for cattle
* **1981 – 1982:** National Youth Service Corp in Ilorin Kwara State Nigeria. I charge of the running of the cattle abattoir in Ilorin.

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1. **PRICES RECEIVED**
2. American Scholarship for the best pre-clinical Vet. Student ABU Zaria – 1977.
3. Association of Commonwealth Universities Scholarship for a Ph.D. degree at Aberdeen University Scotland, UK (1991-1995).
4. FAO/IAEA Scholarship training on the use of RIA/ELISA in the diagnosis of reproductive diseases in farm animals, Nairobi, Kenya (November 1986)
5. I won the MTN/Farm Fresh partnership project worth over N102m for the empowerment of the Fulani cattle farmers and other cattle rearers in Plateau, Bauchi and Kaduna as part of the Farm Fresh Corporate Social Responsibilities (CSR).
6. I won £2,500 from Rotary International, UK in 2004 for the computer project managed by a charity organization called Fantsuam Foundation, Kafanchan Kaduna State.

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 **9. SCHOLARSHIPS/FELLOWSHIPS RECEIVED**

1. American Scholarship for the best pre-clinical veterinary student at the Ahmadu Bello University, Zaria, Nigeria (1976/77 Session.
2. FAO/IAEA Scholarship training on the use of RIA/ELISA in the diagnosis of reproductive diseases in farm animals, Nairobi, Kenya (November 1986)
3. Association of Commonwealth Universities Scholarship for a Ph.D. degree at Aberdeen University Scotland, UK (1991-1995).

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1. **COMPUTER LITERACY:**

**Proficient in:**

1. Processing programmes e.g. Power Point, WORD and EXCEL spreadsheet.
2. Statistical and graphical programmes e.g. Fig. P

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**13.PUBLICATIONS**

1. **Journals**
2. Eduvie, LO and **Dawuda, PM** (1986). Effect of suckling on

reproductive activities of Bunaji cows during the postpartum

period. *Journal of Agricultural Science* (Cambridge). 107:235-238.

1. Pathiraja, N, Oyedipe, EO, Voh, Jr., AA and **Dawuda, PM** (1986).

Accuracy of rectal palpation in the diagnosis of corporal lutea

 in Zebu cows. *British Veterinary journal*, 142:467-471.

1. **Dawuda, PM**, Esievo, KAN, Eduvie, LO and Molokwu

ECI (1987). Determination of the optimal time for artificial

Insemination (A.I.) in Nigerian Zebu Cattle. *Nigerian*

*Veterinary Journal*, 16 (1&2): 23 – 25.

1. **Dawuda, PM**, Eduvie, LO and Lakshminarasimhan, A (1987).

Various types of superficial anastomoses of blood vessels in the

Hearts of Nigerian Bunaji Cattle. *Nigerian Veterinary Journal*,

16 (1&2): 50-52.

1. Rekwot, PI, Voh, Jr, AA, Oyedipe, EO, Opaluwa, GI, Sekoni, VO

and **Dawuda, PM** (1987). Influence of season on characteristics

 of the ejaculate from bulls in an artificial insemination centre in

 Nigeria. *Animal Reproduction Science*, 14: 187-194.

1. Rekwot, PI, Oyedipe, EO, Opaluwa, GI, **Dawuda, PM** and Bawa, EK

(1987). Age related terminal sterility in a Charolais bull and its influence

of fertility rates: A case Report. *Nigeria Veterinary Journal*, 16 (1&2): 53-56.

1. Bawa, EK, Voh, Jr. AA, Oyedipe, EO, Adekeye, JO, **Dawuda, PM** and

Rekwot, Pl (1987): Campylobacteriosis and Bovine infertility and

Abortion in an artificial insemination programme in Nigeria

(Short Communication). *Veterinary Record*, 16: 483.

1. **Dawuda, PM,** Eduvie, LO, Esievo, KAN and Molokwu, ECI (1988).

Interval between calving and first observable oestrus in postpartum

Bunaji cows. *British Veterinary Journal,* 144:258-261.

1. **Dawuda, PM,** Oyedipe, EO, Pathiraja, N. and Voh, JR. AA (1988).

Serum progesterone concentrations of indigenous postpartum Nigerian

Zebu cows. *British Veterinary Journal*, 144: 253-257.

1. Pathiraja, N., Oyedipe, EO, **Dawuda, PM** and Chaudhri, SR (1988).

Intensive Breeding Schemes in Zebu cattle under field conditions

in Nigeria (Short Communication). *World Animal Review*, 65:55-57.

1. **Dawuda, PM**, Esievo, KAN, Eduvie, LO and Molokwu, ECI (1989).

Silent oestrus manifestation in Nigerian Bunaji Zebu cows.

*Animal Reproduction Science,* 21: 79-85.

1. Rekwot, PI, Oyedipe, EO, Akerejola, OO, Voh, Jr., AA and **Dawuda,**

**PM** (1989). Serum biochemistry of zebu bulls and their Friesian

crosses fed two planes of protein. *British Veterinary Journal*, 145: 85-88.

1. Voh, Jr., AA, **Dawuda, PM** and Rekwot, PI (1989). Gestation

length of artificially inseminated zebu cows and their Friesian crosses.

*Journal of Animal Production Research*, 9(2): 109-117.

1. **Dawuda, PM,** Esievo, KAN, Eduvie, LO and Molokwu, ECI (1990).

Inverse relationship between skimmed milk progesterone and somatic

cell counts during gestation and postpartum periods in Bunaji (Zebu)

cows. *Animal Reproduction Science*, 23: 1-11.

1. Rekwot, PI, Oyedipe, EO, **Dawuda, PM** and Sekoni, VO (1997).

Age and hourly related changes of serum testosterone and spermiogram

of prepubertal Bunaji bulls fed two levels of nutrition.

*The Veterinary Journal*, 153: 341-347. Bailliere Tindall, London

1. **Dawuda, PM (2002)**: Global approach to FMD control.

*The Veterinary Record*, 151, 19: 584.

1. **Dawuda, PM,** Scaife, JR, Hutchinson, JSM and Sinclair, KD **(2002)**

Mechanisms linking under-nutrition and ovarian function in beef heifers.

*Animal Reproduction Science*, 74 (1-2), 11 – 26.

1. **Dawuda, PM**, Scaramuzzi, JR, Leese, HJ Hall, C, Drew, SB, Peters, AR

and Wathes, DC **(2004)**: Effect of timing of Urea Feeding on the yield and

quality of embryos in lactating dairy cows, *Theriogenology* (58), 1443 - 1455.

1. **Dawuda, PM,** Scaramuzzi, RJ, Drew, SB, Briggadike, HJ, Laven, RA,

Alison, R. Collins, CF and Wathes, DC **(2004).** The effect of a diet

containing excess quickly degradable nitrogen (QDN) on reproductive

and metabolic hormonal profiles of lactating dairy cows.

*Animal Reproduction Science,* 81: 195 – 208.

1. Laven, RA, **Dawuda, PM**, Scaramuzzi, RJ, Wathes, DC, Biggadike,

HJ and Peters, ASR **(2004)**. The effect of feeding diets high in quickly

degradable nitrogen on follicular development and embryo growth in

lactating Holstein dairy cows. *Animal Reproduction Science*, 84 (1-2): 41-52.

1. Odeh, S, **Dawuda, PM**, Oyedipe, EO and Obande, GE **(2015)**. Incidence

of foetal wastage in slaughtered cattle at Wurukum Abattoir, Makurdi,

Benue State. Vom *Journal of Veterinary Science*, 10: 41-50.

1. Obande, GE, **Dawuda, PM**, Oyedipe, EO and Odeh, S **(2015)**. Correlation

between scrotal circumference, age and live body weight in Red Sokoto and

West African Dwarf bucks. *Vom Journal of Veterinary Science*, 10:127-136.

1. **Dawuda, PM,** Scaramuzzi, R and Wathes, DC **(2015)**. Effect of feeding

quickly degradable nitrogen on the development of ovarian follicles in

lactating dairy cows.*Iranian Journal of Applied Animal Science*. **.**

1. Wachida, N, **Dawuda, P.M.** and Oyedipe, E.O. **(2017)**. Mechanisms involved in the control of reproductive performance in West African Dwarf Goats fed at different protein levels. *Ambit Journal of Agricultural Research,* 2(1):93-112.
2. Uchenna Macnissi Chima, Adakole Hyacinth Abu, **Philip Makama Dawuda,** Aboh Iku Kisani and Terzungwe Ahemen **(2017)**. Effect of storage time on cauda epididymal sperm parameters of Nigerian local dogs. *Open Journal of Veterinary Medicine,* 7:151-161
3. Adeyemi, A.B., Adamu, M., Dawuda, P.M. and Oyedipe, E.O. **(2017)**. The economic implication of foetal wastage in cattle, sheep and goat in Makurdi abattoir Benue State, Nigeria. Nigerian Veterinary Journal, 37 (3) 45-51.
4. Adeyemi, A.B., Adamu, M., Dawuda, P.M. and Oyedipe, E.O. **(2017)**. The economic implication of foetal wastage in cattle, sheep and goat in Makurdi abattoir Benue State, Nigeria. Nigerian Veterinary Journal, 37 (3) 45-51.
5. Adeola, A.C., Ommeh, S.C, Song, J.-J., Charles, O.S., Yin, T.-T, Wang, G.-D, Wu, S.-F, Zhou, Z.-Y., Lichoti, J.K, Agwanda, B.R., **Dawuda, P.M.**, Murphy, R.W., Peng, M.-S., Zhang, Y.-P. **(2017)**. A cryptic mitochondrial DNA link between North European and West African dogs. *Journal of Genetics and Genomics*.Date Published: 20th March 2017. DOI – 10.-1016/j.jgg.2016.10.008
6. C. Adeola, Olufunke O. Oluwole, Bukola M. Oladele, Tenilola O. Olarungbounmi, Bamidele Boladuro, Sunday C. Olaogun, Lotanna N. Nneji, Oscar J. Sanke, **Philip M. Dawuda**, Ofelia G. Omitogun, Laurent Frentz, Robert W. Murphy, Hai Bingxie, Min Sheng Peng, Ya Ping Zhang **(2017)**. Analysis of the genetic variation in mitochondrial DNA, Y-chromosome sequence and MC1R shade light on the ancestry of Nigerian indigenous pigs. Journal of Genetics, Selection and Evolution. Published: 26th June 2017. DOI – 10.1186/s12711-017-0326-1
7. Yan-Hua Liu, Lu Wang, Tao Xu, Xiaomin Guo, Yang Li, Ting-Ting Yin, He-Cluan Yang, Yang Hu, Adeniyi C. Adeola, Oscar J. Sanke, Newton O. Otecko, Mang Wang, Yaping Ma, Olaogun S. Charles, Mikkel-Holger S. Sinding, Shyam Gopalakrishnan, Jose Alfredo Samaniego, Anders J, Hansen, Carlos Fernandes, Filippe Goubert, Jane Budd, **Philip M. Dawuda,** Eli Knispel,Rueness, Lubin Jiang, Weiwei Zhai, M. Thomas, P. Gilbert, Min-Sheng Peng, Xiaopeng Qi, Guo-Dong Wang **(2018)**. Whole-Genome Sequencing of African Dogs provides insights into adaptations against tropical parasites. *Journal of Molecular Biology and Evolution*, 35: 2(1) 287-298
8. Wachida, N., **Dawuda, P.M.** and Oyedipe, E.O. **(2018)**. Effect of different levels of protein intake on serum Glucose Protein and reproductive Performance of West African Dwarf Does. *The Journal of Veterinary Science.* 119: 495-503.
9. Ndumari Wachida, Comfort Mtsem, and **Philip Makama Dawuda (2018)**. Pests Des Petit Ruminants Infection and infertility in West African Dwarf Goats in Benue State, Nigeria. *Vom Journal of Veterinary Science* 13:26-31.
10. Ndumari Wachida, Ishor Akpehe Washima, Deborah Sese Adi and **Philip Makama Dawuda** **(2018)**. A survey of reproductive performance of West African Dwarf (WAD) does and Savanna Brown goats (SBG) does reared under traditional husbandry system in Makurdi Benue State Nigeria. Nigerian Veterinary Journal. Acceptance No. NVJ-2017-04-062.
11. Ndumari Wachida, Umoren Emekopobong Bassey, **Philip Makama Dawuda (2019).** Effect of stirage time on the quality of cauda epididymal spermatozoa of West African dwarf (WAD) rams. *Animal Reproduction Science, 205:144-149.*
12. **Dawuda, P.M. (2019).** A strategic remodeling of Lesotho National Dairy Industry (2019). *Public Eye Weekly Newspaper Lesotho, 12th April, 2019.*
13. Ibrahim Garba, **Philip Makama Dawuda**, Iyorhemba Utim Ate and Jerry Ngutor Abenga **(2019)**. Genital tract morphology of Red Sokoto and West African Dwarf Does in Makurdi. *Open Journal of Vet. Med., 09 (03):7-14*
14. Ibrahim Garba, **Philip Makama Dawuda**, Awai Due Emmanuel, Usman Adamu Rayyanu, Igah Eyitayo Olanrewaju, Akuchi Chidiadi Nwamo, Umbugadu Cletus attah and Samuel Moses Abasiama **(2020).** Genital infection and associated pathology in Red Sokoto and West African Dwarf Does in Makurdi. *Open Journal of Veterinary Medicine, 10: 39-34.*
15. **Philip Makama Dawuda**, Setsomi Molapo, Konesh Alfred Teboho and George M. Adoko **(2020).** Prevalence of ticks infesting Merino Sheep in Lesotho and effects of ivermectin treatment – A preliminary study. *Vom Journal of Veterinary Science, 15(1): 11-18.*
16. **Philip Makama Dawuda,** Setsomii Molapo, Mothunya Hopolang, Puleng Agathah Matebesi Ranthimo and Marosi Molomo **(2020).** Trend and implications of Bluetongue Disease Outbreaks in Merino sheep in Lesotho. *Vom Journal of Veterinary Science, 15(1): 40-46.*

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**Monographs**

1. Biggadike, H, Laven, R, **Dawuda, PM,** Scaramuzzi, RJ, Drew, SB,

Leese, H and Wathes, DC (2001): Follicular Development and Embryo

viability in dairy cows fed diets high in quickly degradable nitrogen

(QDN) – **STUDY 1a** **Final Report.** Submitted to DEFRA and Milk

Development Council (MDC), London, UK.

1. **Dawuda, PM**, Scaramuzzi, RJ, Biggadike, H, Laven, R, Drew, SB,

Leese, H and Wathes, DC (2001): Follicular Development and Embryo

viability in dairy cows fed diets high in quickly degradable nitrogen

(QDN) – **STUDY 1b Final Report.** Submitted to Department of

Environment, Fisheries and Rural Affairs (DEFRA) and Milk

Development Council (MDC) London, UK.

1. **Dawuda, PM,** Scaramuzzi, RJ, Biggadike, H, Laven, R, Drew, SB,

Leese, H and Wathes, DC (2001): Follicular Development and Embryo

viability in dairy cows fed diets high in quickly degradable nitrogen

(QDN) – **STUDY 2 Final Report.** Submitted to DEFRA and Milk

Development Council (MDC), London, UK.

1. Biggadike, H, Laven, R, **Dawuda, PM,** Scaramuzzi, RJ, Drew, SB,

Leese, H and Wathes, DC (2001): Follicular Development and Embryo

viability in dairy cows fed diets high in quickly degradable nitrogen

(QDN) – **Study 3 Final Report.** Submitted to DEFRA and Milk

Development Council (MDC), London, UK.

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**Newsletters and Newspapers publications**

1. Drew, B, Biggadike, H, Laven, R, Scaramuzzi, RJ, **Dawuda, PM,**

Leese, H and Wathes, DC (2001). Dietary protein effects on dairy

 cow fertility. Sustainable Livestock Production: Agriculture Link UK,

February 2001, pp 10. A newsletter for the Agriculture and

Horticulture Industries.

1. **Dawuda, PM (**1997). “Africa: The way forward”. Paper serialized

in the New Nigerian Newspaper limited of 28th&30th July, 1997.

1. **Dawuda, PM** (1998): “Africa: The search for a lasting economic

ideology”. Paper serialized in the New Nigeria Newspapers limited

of 13th, 14th, 15th, 16th, 17th& 18th July 1998.

1. **Dawuda, PM** (2008): “The Dairy Industry in Nigeria – No better

opportunity than now”. Article serialized in the “Leadership Daily

Newspaper Abuja Nigeria on the 19th& 26th April and 03rd May 2008.

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1. **MEMBERSHIP OF LEARNED SOCIETIES AND CONFERENCES ATTENDED:**
2. **Membership of Learned Societies:**
3. Member, British Veterinary Association (BVA)
4. Member, UK Veterinarian - a journal for Veterinary Surgeons in General Practice in the UK
5. Member, British Small Animal Veterinary Association (BSAVA)
6. Member, New York Academy of Science (NYAS)
7. Member, Society for Reproductive Biology UK (SRB)
8. Member, Society for the Study of Reproduction UK (SSR)
9. Member, Society for Reproduction and Fertility UK (SRF)
10. Member, Nigerian Veterinary Medical Association (NVMA)
11. Member, MTN Partners Network

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1. **Conferences Attended:**
2. International Workshop on Montbeliarde Dairy breed production. Montbeliarde France: 04 -06th February 2019.
3. Middle Belt Agricultural Investors Workshop 7th August, 2015, Jos, Plateau State.
4. International Conference of the Society for the Study of Reproduction and Fertility, 1-4th September, 2014; Edinburgh, Scotland, United Kingdom

1. International Conference of the British Small Animal Veterinary Association (BSAVA), 4-8th April 2013; Birmingham, United Kingdom.
2. Nigerian Veterinary Medical Association Annual Conference (NVMA) Kaduna, Nigeria. November 2014.
3. Workshop on the application of ISO22000:2005 Food Safety Management Implementation Course Certification, Jos Plateau State (04-08th December 2006) organised by the Standards Organisation of Nigeria (SON).
4. Workshop on: Change Management, Entrepreneurship and Leadership in the Era of Globalization: A Cooperative Value Based Approach (04-13th December, 2007, Beersheba-Israel)
5. Workshop on: Co-operative Management. Organized by the Nigerian Agricultural, Co-operative and Rural Development Bank Ltd (12th – 15th November 2007, Abuja-Nigeria).
6. International Conference of the Society for the Study of Reproduction and Fertility, July 4-7th July, 2000; Aberystwythe, Wales, United Kingdom.
7. International Conference of the Society for the Study of Reproduction and Fertility, July 15-19th July, 1999; Liverpool, England, United Kingdom.
8. Annual Conference Nigerian Veterinary Medical Association (NVMA), 1997, Vom
9. Annual Conference Nigerian Veterinary Medical Association (NVMA), 1988

Ibadan

1. Annual Conference Nigerian Society of Animal Production, 1989, Calabar, Cross River State

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**15. CURRENT RESEARCH AND EXTENSION**

1. **Current Research:**

Effect of high environmental temperatures on quality of gametes in Bunaji and Bokoloji (Sokoto Gudali) Zebu cattle of Nigeria.

Animal Health Research Co-Leader (WAMPP): Prevalence of ectoparasites and gastrointestinal parasites and diseases incidence in small ruminants in the four ecological zones of Lesotho

1. **Extension:**
2. Farm Veterinary Clinic and ambulatory services to the local communities
3. Crossbreeding of our university local cattle herd with exotic bulls frozen semen to upgrade their genetic potential for milk and meat production.
4. Use of superior exotic Denish pig breeds such as Duroc, Landrace and Large White to upgrade our local pigs for higher fecundity, growth rates and meat tenderness.

**16. CONTRIBUTION TO KNOWLEDGE**

1. The negative effect of high environmental temperatures on reproductive performance in cattle is most likely to affect the development of the oocytes thereby compromising the quality of ovulated ova
2. The toxic effect of intake of quickly degradable urea nitrogen diet on

reproductive performance of dairy cows does not hamper ovarian follicle development but alters the microenvironment surrounding the oocytes.

**REFERENCES:**

* Will be provided on demand

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