

DEPARTMENT OF VETERINARY PATHOLOGY, COLLEGE OF VETERINARY MEDICINE, FEDERAL UNIVERSITY OF AGRICULTURE, ABEOKUTA

Name: Dr. Fakilahyel Musa MSHELBWALA

Status: Senior Lecturer/ Acting Head

Abridged Profile

Being an anatomic Pathologist, my research was focused on the areas of pathology, pathogenesis and diagnosis of diseases in different species of animal. Pathology of congenital diseases, infectious diseases, toxicological and those due to therapeutics have been documented. The pathogenesis of prion diseases, with particular focus on avian salmonellosis has been studied using immunohistochemical procedure. Diagnosis of congenital, infectious, noninfectious and neoplastic diseases were done based on gross postmortem findings, histopathology, immunohistochemical technics, serotyping and polymerase chain reaction (PCR).

Pathology of cryptorchidism and testicular hypoplasia, both congenital diseases and testicular atrophy in Nigerian Sahel bucks/goats, has been documented. The morphological pathology of chronic kidney failure in dogs has been studied in exotic breeds. Haematological and morphological pathology of internal organs of dogs, particularly the heart in trypanosomosis has also been documented. Pathology of foreign body induced hepatic and splenic abscesses have been studied in a horse. The pathology of rumen impaction in small ruminants has been documented and I have studied the pulmonary pathology of bovine tuberculosis. Also, pathology of fish diseases, including bacterial and neoplastic diseases in collaboration with other researchers has been documented. In snails, the pathology of the reproductive organs in period of aestivation has been studied in collaboration with other researchers.

Toxicological study describing the histopathological changes in the liver and kidney due to administration of ethanolic leaf extract of *Allium cepa* Linn bulb extract in the heart and haematological and serum biochemical parameters in laboratory animals have been studied in collaboration with other researchers.

Therapeutic study of the effect of Sildenafil citrate on the histology and sperm cell count during wound healing process in diabetic rats and that of *Annonamuricata* Linn in ameliorating reproductive complications in streptozotocin-induced diabetic rats have been studied in collaboration with other researchers.

The pathogenesis of infectious diseases has been studied with particular interest in that of avian salmonellosis, which has been documented.

Diagnoses of congenital testicular abnormalities were done using physical examination of the testes, postmortem findings, morphometric studies and histopathology. Diagnosis of canine trypanosomosis using microscopic examination of thin blood and postmortem findings has been documented and that of *Salmonella* species using polymerase chain reaction and identifying the serotypes using the Kauffman-White Scheme has also been documented. Other diseases including avian coccidiosis have been diagnosed using microscopic examination of the oocytes.

The main area of focus was in the pathology, pathogenesis and diagnosis of avian salmonellosis (PhD) which comprised of field study, laboratory investigation, and experimental study. The field study described the prevalence and gross pathology of visceral organs of chickens in natural outbreaks of salmonellosis in poultry farms in Lagos, Ogun and Oyo States. The laboratory investigation described the histopathological changes in visceral organs of chickens and immunohistochemical study of the pathology. It also covers the aspect of microbiological study in which the *Salmonella* organisms were isolated and their serotypes determined using the Kauffman-White Scheme, and the use of these serotypes for the production of vaccine against avian salmonellosis was recommended. While the experimental study described the clinical signs, gross and histopathological changes and the pathogenesis of *Salmonella* Zega, one of the most predominant serotypes identified from the natural outbreaks was carried out using immunohistochemical technique.

My research work has contributed in the field of Anatomic Pathology, especially in the areas where pathological lesions consistent with specific diseases have been described, which clinicians, researchers in various field and pathologists can use in the diagnosis and understanding of the pathogenesis of diseases and for teaching of students. The identification of the *Salmonella* serotypes in the study area has provided opportunity for the development of a more effective vaccine against avian salmonellosis in Nigeria, since most of the available vaccines in use are developed outside the country, which may not protect effectively against Nigerian strains of *Salmonella*.

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CURRICULUM VITAE

01. PERSONAL

- (i) Name: MSHELBWALA Fakilahyel Musa
- (ii) Date of Birth: June 5, 1974
- (iii) Place of Birth: Dayar, KwayaKusar L.G.A. Borno State
- (iv) Age: 47 years
- (v) Sex: Male
- (vi) Marital Status: Married
- (vii) Nationality: Nigeria
- (viii) Town and State of Origin: Gwaski, Hawul L.G.A. Borno State
- (ix) Contact Address: Department of Veterinary Pathology,
College of Veterinary Medicine,
Federal University of Agriculture,
Abeokuta, Ogun State.
- (x) Phone number: 08025879578, 08109064065
- (xi) Email address: mshelbwalafakilahyel@yahoo.com
- (xii) Present Post and Salary: Senior Lecturer; CONUASS 05/03; 3,112, 981:14 /Annum
- (xiii) Post on promotion: Reader (Veterinary Pathology)

02. EDUCATIONAL BACKGROUND

(i) Educational Institutions Attended (with dates)

- a. Ahmadu Bello University, Zaria. 2011-2017
- b. University of Maiduguri, Maiduguri. 2006-2010
- c. University of Maiduguri, Maiduguri. 1995-2002
- d. Government Secondary School, Nguru. 1987-1992

(ii) Academic and Professional Qualifications (with dates)

- a. Doctor of Philosophy (Veterinary Pathology) 2017
 - b. Master of Veterinary Science (Veterinary Pathology) 2010
 - c. Doctor of Veterinary Medicine 2002
 - d. West African School Certificate 1992
- (iii) Prizes, Honours, Scholarship, National and International Recognition:**
TETFund-Institution Based Research Grant 2019

03. WORK EXPERIENCE (with date)

(i) Teaching and Research

- a. Senior Lecturer: Department of Veterinary Pathology, College of Veterinary Medicine, Federal University of Agriculture, Abeokuta 2018 to date
- b. Lecturer I: Department of Veterinary Pathology, College of Veterinary Medicine, Federal University of Agriculture, Abeokuta 2015 -2018
- c. Lecturer II: Department of Veterinary Pathology, College of Veterinary Medicine, Federal University of Agriculture, Abeokuta 2011 - 2015

University Teaching Experience

Undergraduate courses

2017/2018 Session

Course code	Course Title	Course Unit	Number of Students	Number of Lecturers
VPT 302	General Pathology	3	35	5
VPT 401	Systemic Pathology I	3	35	5
VPT 402	Systemic Pathology II	3	35	5
VPT 404	Special and Avian Pathology	3	35	5
VPT 501	Clinical Pathology	3	35	5
VCC 501	Diagnostic Pathology Clinics	5	35	5
VCC 502	Clinical Haematology	5	35	5
VCC 601	Serum Chemistry	10	35	5
VCC 602	Urinalysis and Cytology	10	35	5

2018/2019 Session

Course code	Course Title	Course Unit	Number of Students	Number of Lecturers
VPT 302	General Pathology	3	35	5
VPT 401	Systemic Pathology I	3	35	5
VPT 402	Systemic Pathology II	3	35	5
VPT 404	Special and Avian Pathology	3	35	5
VPT 501	Clinical Pathology	3	35	5
VCC 501	Diagnostic Pathology Clinics	5	35	5
VCC 502	Clinical Haematology	5	35	5
VCC 601	Serum Chemistry	10	35	5
VCC 602	Urinalysis and Cytology	10	35	5

2019/2020 Session

Course code	Course Title	Course Unit	Number of Students	Number of Lecturers
VPT 302	General Pathology	3	35	5
VPT 401	Systemic Pathology I	3	35	5
VPT 402	Systemic Pathology II	3	35	5
VPT 404	Special and Avian Pathology	3	35	5
VPT 501	Clinical Pathology	3	35	5
VCC 501	Diagnostic Pathology Clinics	5	35	5
VCC 502	Clinical Haematology	5	35	5
VCC 601	Serum Chemistry	10	35	5
VCC 602	Urinalysis and Cytology	10	35	5

Postgraduate Courses

2018/2019 Session

Course code	Course Title	Course unit	Number of students	Number of Lectures
VPT 801	Correlative Veterinary Pathology	3	2	3
VPT802	Advanced General Pathology	3	2	3
VPT 803	Advanced Systemic Pathology I	3	2	3
VPT 804	Advanced Systemic pathology II	3	2	3
VPT 805	Advanced Systemic pathology III	3	2	3
VPT 806	Advanced Veterinary Clinical Pathology I	3	2	3
VPT 807	Advanced Veterinary clinical Pathology II	3	2	3
VPT 808	Advanced Exfoliative Pathology	3	2	3
VPT 809	Veterinary Immunopathology	3	2	3
VPT 810	Comparative Pathology	3	2	3
VPT 811	Nutritional Pathology	3	2	3
VPT 812	Veterinary Toxicological Pathology	3	2	3

2019/2020 Session

Course code	Course Title	Course	Number of	Number
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		Unit	Students	Lecturers
VPT 801	Correlative Veterinary Pathology	3	2	3
VPT802	Advanced General Pathology	3	2	3
VPT 803	Advanced Systemic Pathology I	3	2	3
VPT 804	Advanced Systemic pathology II	3	2	3
VPT 805	Advanced Systemic pathology III	3	2	3
VPT 806	Advanced Veterinary Clinical Pathology I	3	2	3
VPT 807	Advanced Veterinary clinical Pathology II	3	2	3
VPT 808	Advanced Exfoliative Pathology	3	2	3
VPT 809	Veterinary Immunopathology	3	2	3
VPT 810	Comparative Pathology	3	2	3
VPT 811	Nutritional Pathology	3	2	3
VPT 812	Veterinary Toxicological Pathology	3	2	3

(ii) Professional Experience

- a. Consultant, Veterinary Teaching Hospital, 2018 to date
- b. Registrar, Veterinary Teaching Hospital, FUNAAB 2011-2018
- c. Clinician: Ogba J. Farms Port-Harcourt 2003-2004

(iii) Administrative Experience

- a. Acting Head, Department of Veterinary Pathology, Federal University of Agriculture, Abeokuta 2021 to date
- b. Departmental Postgraduate Coordinator, Department of Veterinary Pathology, Federal University of Agriculture, Abeokuta 2019 - 2021
- c. Departmental Examination Coordinator, Department of Veterinary Pathology, Federal University of Agriculture, Abeokuta 2014 - 2016
- d. Course coordinator, Veterinary Pathology 2012- 2014

(iv) Membership of Committee

- a. Member, University Senate 2021 to date
- b. Member, Postgraduate School Board 2021 to date

- c. COLVET Representative on COLBIOS, College Board 2021 to date
- d. Member, Center for skill development (CENSKID) 2015 to date
- e. Member, Scholarship, Prizes, loans and Bursary Committee 2018 to 2020
- f. Member, College Space Allocation Committee 2019 to date
- g. Member, Board of Studies, College of Veterinary Medicine 2017 to date
- h. Member, COLVET Committee on Conference Grant Allocation 2017 to date
- i. Member, College Welfare Committee 2014 to date
- j. Member, COLVET Induction Committee 2012- 2021
- k. Member, College Board, College of Veterinary Medicine 2011 to date

04. SPECIAL ASSIGNMENT/ COMMUNITY SERVICE

- a. INEC Collation Officer in General Election for Governorship and State House of Assembly 2019
- b. INEC Collation Officer in General Election for Presidential, Senate And Federal House of Representative 2019
- c. Donation of Borehole to Gwaski Community, Sakwa District, Hawul L.G.A. Borno State 2018
- d. Church Treasurer, Board of Elders, ECWA Chapel, Camp, Abeokuta 2017 to date
- e. Instructor, Adult Sunday School, ECWA Chapel, Camp, Abeokuta 2017 to date
- f. Reviewer, Sokoto Journal of Veterinary Science 2017 to date
- g. Reviewer, Nigerian Veterinary Journal 2017 to date
- h. Chairman, Electoral Committee, ECWA Chapel, Camp, Abeokuta 2014
- i. Invigilator, Unified Tertiary Matriculation Examination (UTME) 2012

05. TRAINING PROGRAMMES ATTENDED (with date)

- (i) Professional Continuing Education Seminar organized by the American Association of Avian Pathologists: Oral and Poster presentations, July 30th – August 2nd, 2021
- (ii) Professional Continuing Education Seminar organized by Veterinary Council of Nigeria: Leading Change; Optimizing Extant Opportunities in the Current Global Health Crises. Virtual conference, July, 2021.
- (iii) University Academic Retreat organized by FUNAAB: University Culture, Ethics and Pedagogy, July, 2021
- (iv) Training workshop on learning 6.5 software packages: Information and communication Technology Resource Center (ICTREC), FUNAAB, April, 2018.

- (v) Professional Continuing Education Seminar organized by Veterinary Council of Nigeria: The Role of Veterinary Practice in Enhancing National Security. AkeBabalola University, Ado Ekiti, Ekiti State, 2nd July, 2015.
- (vi) Computer Programme at Sterpro Computer Institute, Maiduguri, Borno State, 2009.

06. COMMENDATION:

Nil

07. MEMBERSHIP OF PROFESSIONAL BODIES

- (i) Member, American Association of Avian Pathologists (AAAP)
- (ii) Member, Nigerian Veterinary Medical Association (N.V.M.A)
- (iii) Registered with the Veterinary Council of Nigeria

08. RESEARCH INTEREST OR COMMISSIONED PROJECT

i. Completed:

- (a) Clinical signs, pathological and immunohistochemical changes in visceral organs of chickens experimentally infected with *SalmonellaZega*
- (b) Organ-specific distribution of *Salmonella* pathogen in chickens experimentally infected with *SalmonellaZega*
- (c) Questionnaire survey on the Farmer's awareness of poultry diseases on commercialpoultry farms in Lagos, Ogun and Oyo States, Nigeria
- (d) Questionnaire survey on routine farm practices on commercial poultry farms in Lagos,Ogunand Oyo States, Nigeria
- (e) Prevalence of poultry diseases diagnosed at postmortem in the Department of Veterinary Pathology, Federal University of

Agriculture, Abeokuta

- (f) Outbreaks of Mareks Disease (MD) in commercial poultry farms in Abeokuta, Zaria and Kano, Nigeria
- (g) Population characteristics of Sahel goat slaughtered in Maiduguri Metropolitan Abattoir

ii. in Progress:

- (a) Prevalence, Haematological and biochemical changes; molecular characterization of *Mycoplasma* species associated with canine mycoplasmosis in Lagos, Ogun and Oyo States, Nigeria
- (b) Epidemiological factors associated with outbreaks of avian salmonellosis in commercial poultry farms in Lagos, Ogun and Oyo states within southwestern Nigeria.
- (c) Isolation and sequencing (pathogenicity, antibiotics resistance gene, and phylogenetic study) of *Salmonella* species associated with field cases of avian salmonellosis in Chicken in Lagos, Ogun and Oyo States, Nigeria.
- (d) Prevalence, pathology and bacteria pathogens associated with Pestes des petit ruminant in sheep and goat in Abeokuta, Ogun State, Nigeria
- (e) Pestes des petits ruminant virus lineages associated with outbreaks in Lagos, Ogun and Oyo States, Nigeria
- (f) Retrospective study on the prevalence, pathology and aetiology of intussusceptions diagnosed at postmortem in dogs in Abeokuta

09. PUBLICATIONS

i. Thesis

Mshelbwala F.M. (2017). Pathological and immunohistochemical changes in visceral organs of chickens with natural and experimentally induced salmonella infection in Lagos, Ogun and Oyo States, Nigeria

ii. Dissertation

Mshelbwala F.M. (2010). Prevalence and pathological changes associated with retained (cryptorchid) and descended testes in Nigerian Sahel Bucks

iii. Project

Mshelbwala F.M. (2002). Effect of Magnesium sulphate supplementation on the pathogenicity of Trypanosomabruceibrucei infection in albino rats

iv. Journal Articles in Print

1. *^fKamani, J., Kadir, R.A., Mshelbwala, F.M., Olubade, T., Shekaro, A., Balami, P.U. & Gonzalez-Miguel, J. (2021). Molecular and Biological characterization of Haemaphysalis Leachi (Acari: Ixodidae) in Nieria, West Africa. *Folia Veterinarian*, 65 (3): 60-68. Published by University of Veterinary Medicine and Pharmacy, Kosice, Slovakia.
2. *^fSogebi, E.A.O., Makinde, O.A., Cliff, A.I., Koleoso, S., **Mshelbwala, F.M.** & Olukunle, J.O. (2021). Multimodal approach to surgical pain management in weaner pigs: A clinical trial. *Alexandria Journal of Veterinary Sciences*, 70 (1): 151-157. Published by the Faculty of Veterinary Medicine, Alexandria University, Egypt. Available online at: <https://www.alexjvs.com>
3. *^fAbiono, J.A., Abioja, M.O., Ayo-ajasa, O.Y., Oyesanwen, M.T., Ihongbe, R.A., **Mshelbwala, F.M.**, Oke, O.E. & Onagbesan, O.M. (2021). Effect of common salt (NaCl) on reproductive tract dimension, haemolymphhaemocyte count and biochemical parameters of Giant African Land Snail (*A. marginata*) during dry season. *Aquaculture Reports*, 20: 1-8. Published by Elsevier. Available online at: <http://www.sciencedirect.com> (Listed in scopus)
4. *Abakpa, S.A.V., Ajayi, O.L., **Mshelbwala, F.M.**, Olaniyi, M.O., Akintunde, O.G., Adebisi, A.A., Popoola, D., Makinde, A.F., Adeleye, A.I. & Idowu, K.R. (2021). Concurrent hepatozoonosis and transmissible veneraltumour in a 10-year old German Shephard dog in Abeokuta, *Nigeria. Nigerian Journal of Parasitology*, 42 (1): 63-67. Published by Nigerian Society for Parasitology and Public Health. Available online at: <https://www.ajol.info> (Listed in scopus)
5. *^fAbakpa, S.A.V., Talabi, O.A., Oyekunle, M.A., Ajibola, E.S., Adebisi, A.A., **Mshelbwala, F.M.**, Akintunde, G.O., Daramola, O.O., Adeleye, O.E. & Okandjeji, M.E. (2020). Elevation of serum cardiac troponin 1 concentration in dogs experimentally infected with Trypanosoma congolense. *Alexandria Journal of Veterinary Science*, 64

- (1): 123-128. Published by Faculty of Veterinary Medicine, Alexandria University, Egypt. Available online at: <https://www.bibliomed.org>
6. *^f**Mshelbwala, F.M.**, Ibrahim NDG., Saidu, SNA., Babatunde, EG., Kadiri, AKF., Thomas, FC., Kwanashie, CN. & Agbaje, M. (2020). Quantitative Distribution and interaction of Salmonella Zega with host cells in visceral organs of chickens infected orally, intraperitoneally and per cloaca. *Heliyon*, 6: 1- 7. Published by Elsevier. Available online at: <https://www.ncbi.nlm.nih.gov> (Listed in scopus)
 7. *Adeleye, O.E., Aboajah, N.A., Adeleye, A.I., Sogebi, E.A.O., **Mshelbwala, F.M.**, Adetomiwa, A.S. & Olukunle, J.O. (2019). Annona Muricata Linn. Ethanolic leaf extract ameliorates reproductive complications in streptozotocin-induced diabetic Wistar rats. *Journal of Natural Science, Engineering and Technology*, 18 (1&2): 166-175. Published by Federal University of Agriculture, Abeokuta. Available online at: <https://journal.unaab.edu.ng>
 8. *^fOyewusi, A.J., Oridupa, O.A., Saba, A.B., Oyewusi, I.K. & **Mshelbwala, F.M.** (2019). Effect of methanol extract of the red Cultivar Allium cepa L. on the serum biochemistry and electrolytes of rats following subchronic oral administration. *Journal of Basic and Clinical Physiology and Pharmacology*, 31 (2): 1-14. Published by Walter de Gruyter GmbH. Available online at: <https://www.ncbi.nlm.nih.gov/pubmed/31800393>: DOI: 10.1515/JBCPP-2018-0175 (Listed in SCImago and scopus)
 9. *^f**Mshelbwala, F.M.**, Ibrahim, N.D.G., Saidu, S.N.A., Kadiri, A.K.F. & Kwanashie, C.N. (2019). Comparison of the clinical signs, pathological and immunohistochemical changes in visceral organs of chickens experimentally infected with Salmonella Zega through three routes. *Acta Tropica*, 200: 105-123. Published by Elsevier, Available online at: <https://www.sciarp.org> (Listed in scopus)
 10. *^fOghenochuko, O.M., Olukunle, J.O., Adenubi, O.T., Ajayi, O.L., **Mshelbwala, F.M.**, Abdulraheem, I., Apantaku, J.T., Takeet, ViO.V.A., Omoniyi, T.I. & Ezeri, G.N. (2019). Lethal dose and histopathological changes in liver and kidney of healthy clarias gariepinus, sub-adult exposed to Red Allium cepa Linn. Bulb. *Journal of Tropical Agricultural Science*, 42 (3): 1081-1096. Published by University of Putra, Malaysia Available online at: <http://www.pertanika.upm.edu> (Listed in scopus and SCImago)
 11. *^fKamani, J., Gonzalez-miguel, J., **Mshelbwala, F.M.**, Shekaro, A. & Apanaskevich, D.A. (2019). Ticks (Acari: Ixodidae) infecting dogs in Nigeria: epidemiological and public health implication. *Experimental and Applied Acarology*, 78 (1): 231-246. Published by Springer Available online at: <https://doi.org/10.1007/s10493-019-00384-2> (Listed in scopus)
 12. *Ajayi, O.L., Idowu, A.A., **Mshelbwala, F.M.**, Adebisi, A.A., Olaniyi, M.O. & Oluwabi, T.M. (2019). Outbreak of cutaneous papilloma in cultured African catfish (clarias gariepinus) (Burchell 1822) in Nigeria. *Tropical Veterinarian*, 36 (4): 249-260. Available online at: <https://www.ajol.info>

13. *Marhe, M.B., Ngulde, S.I., Umar, B., **Mshelbwala, F.M.**, Yahi D., Waziri, A., Goni, A.T. &Wampana, B. (2018). Effect of Sildenafil Citrate on testicular histology and sperm count during wound healing process in diabetic rats. *Borno Medical Journal*, 16 (1): 1-11. Published by Nigeria Medical Association, Borno State Chapter. Available online at: www.bornomedicaljournal.com

14. ^f**Mshelbwala, F.M.**, Ibrahim, N.D.G., Saidu, S.N.A., Azeez, A.A., Kwanashie, C.N., Anise, E.O., Akinleye, O.S., Kadiri, A.K.F., Adebisi, A.A., Ajayi, O.L. &Olaniyi, M.O. (2018). Clinical signs, pathomorphological and immunohistochemical findings in visceral organs of chickens naturally infected with motile *Salmonella* serotypes in Lagos, Ogun and Oyo States, Nigeria. *Bulletin of Animal Health and Production in Africa*, 66: 181-191. Published by African Union International Bureau of Animal Resources, Nairobi, Kenya. Available online at: <http://www.ajol.info/index.php/bahpa/article/view/>

15. ^fAjayi, O.L., Antia, R.E., Ojo., O.E., Olaniyi, M.O., Awoyomi, O.J.,**Mshelbwala, F.M.**, Adebisi, A.A., Oluwabi, T.M. &Kehinde, O.O. (2018). Preliminary studies on pathogenic *Leptospira* spp. in slaughtered pigs in Abeokuta, Ogun State, Nigeria. *Bulletin of Animal Health and Production in Africa*, 66: 23-33. Published by African Union International Bureau of Animal Resources, Nairobi, Kenya. Available online at: <http://www.ajol.info/index.php/bahpa/article/view/>

16. ^fThomas, F.C., Geraghty, T., Simoes, P.B.A., **Mshelbwala, F.M.**,Haining, H. &Eckersall, P.D. (2018). A pilot study of acute phase proteins as indicators of bovine mastitis caused by different pathogens. *Research in Veterinary Science*, 119: 176-181. Published by Elsevier, United Kingdom.
<http://doi.org/10.1016/j.rvsc.2018.06.015> (Listed in Scimago and scopus)

17. **Mshelbwala, FM.**,Azeez, A.A., Kadiri, A.K.F., Ibrahim, N.D.G., Saidu, S.N.A., Oluwayinka, E.B., Awoyomi, O.J. &Kwanashie, C.N. (2017). Prevalence of salmonellosis among chickens in commercial poultry farms in Lagos, Ogun and Oyo States, Nigeria. *Nigerian Poultry Science Journal*, 13 (1): 9-18. Published by The World Poultry Science Association, Nigeria Branch.

18. *Abiono, J.A., Eshorun, A.C. &**Mshelbwala, F.M.** (2017). Effect of Aestivation duration on reproductive tract dimension and spermatozoa production of Giant African land snail (*Archachatina marginata*) during dry season. *Journal of Agricultural Sciences, Natural Science, Environment and Technology*, 17 (2): 106-115. Published by Federal University of Agriculture, Abeokuta. Available online at: <https://journal.unaab.edu.ng>

19. Oyewusi, J.A., Oridupa, O.A., Saba, A.B., Oni, I.K., Oyewusi, I.K. &**Mshelbwala, F.M.** (2017). Assessments of cardiotoxic potential of methanol extract of red cultivar *Allium cepa*. *Sokoto Journal of Veterinary Sciences*, 15 (3): 69-77. Published by Faculty of Veterinary Medicine, UsmanDanfodio University, Sokoto, Nigeria. Available online at: <https://www.ajol.info>

20. **Mshelbwala, F.M.,**Adebiyi, A.A., Ajayi, O.L., Olaniyi, M.O., Oloye, A.A., Adebayo, O.O., Sanni, I.O., Kadiri, A.K.F. &Abakpa, S.A.V. (2017). Rumen impaction: Retrospective study on the prevalence, clinical findings, gross pathology and causes in sheep and goats reared in the tropical rain forest of Nigeria.*Nigerian Journal of Animal Production*,44 (4): 61-70. Published by Nigerian Society for Animal Production. Available online at: <https:njap.org.ng>

21. **Mshelbwala, F.M.,** Oladotun, O.O., Kadiri, A.K.F., Abakpa, S.A.V. &Nyillah, E.L. (2017). Prevalence and pathology of bovine tuberculosis among cattle population slaughtered in Abeokuta Abattoir. *Nigerian Journal of Animal Production*, 44 (4): 61-70. Published by Nigerian Society for Animal Production. Available online at: <https:njap.org.ng>

22. **Mshelbwala, F.M.,** Ibrahim, N.D.G., Saidu, S.N.A., Azeez, A.A., Akinduti, P.A., Kwanashie, C.N., Kadiri, A.K.F., Muhammed, M., Fagbamila, I.O. & Luka, P.D. (2017). Motile *Salmonella* serotypes causing high mortality in poultry farms in three Southwestern States of Nigeria. *Veterinary Record Open*, 4: e000247.doi:10.1136/vetrec-2017-000247. Published by British Veterinary Association,now John Wiley group and company. Available online at: <https://pubmed.ncbi.nlm.nih.gov> (Listed in scopus, Pubmed& Web of Science)

23. Ademolu, K.O., Onadeko, D.E., Akinnusi, F.A.O., Mshelbwala, F.M., Oropo, A. (2017). Nutritional value of the visceral mass of three giant African land snail species (*Archachatina marginata*, *Achatina achatina*, and *Achatina fulica*). *Nigerian Journal of Animal Production*, 44 (4): 133-138. Published by Nigerian Society for Animal Production. Available online at: <https:njap.org.ng>

24. **Mshelbwala, F.M.,**Ajayi, O.L., Adebiyi, A.A., Olaniyi, M.O., Omotainse, S.O., Omotainse, O.S., Oluwabi, M.T., Ojebiyi, O.E., Akpavie, S.O. &Kadidiri, A.K.F. (2016). Retrospective studies on the prevalence, morphological pathology, and aetiology of renal failure of dog in Lagos and Abeokuta, Nigeria. *Nigerian Veterinary Journal*, 37 (4): 206-216. Published by Nigerian Veterinary Medical Association. Available online at: <https://www.ajol.info>

25. **Mshelbwala, F.M.,**Omotainse, S.O, Ajayi, O.L., Olaniyi, M.O., Adebiyi, A.A., Takeet, M.I., Adebayo, O.O., &Kasali, O.B. (2015). Canine Trypanosomosis: Clinical Observations and Morphological Pathology Associated with Canine Trypanosomosis in Naturally Infected Exotic Breeds of Dogs in Abeokuta, Nigeria. *Nigerian Journal of Parasitology*, 36 (2): 85-90. Published by Nigerian Society for Parasitology and Public Health. Available online at: <https://www.ajol.info> (Listed in scopus)

26. **Mshelbwala, F.M.,** Adebiyi, A.A., Olaniyi, M.O., Ajayi, O.L. &Omotainse, S.O. (2013). Foreign body induced hepatic and splenic abscess in adult female Dangola horse. *Tropical Veterinarian*, 31(3): 128-134. Published by Faculty of Veterinary Medicine, University of Ibadan. www.ajol.info

27. Ajayi, O.L., Oni, O.O., Olaniyi, M.O., **Mshelbwala, F.M.**, &Oluwabi, M.T. (2013). Sperm Cell Granuloma in a Gobbler (Meleagrisgallopavo). *Tropical Veterinarian*, 31 (1): 42-46, Published by Faculty of Veterinary Medicine, University of Ibadan. Available online at www.ajol.info
28. ^fIgbokwe, I.O, Iko A.E., Germa, H., **Mshelbwala, F.M**&Igbokwe N.A. (2011). Bilateral Testicular Hypoplasia in Nigerian Sahel bucks. *Turkish Journal of Veterinary and Animal Sciences*, 35 (2): 111-115. Published by Scientific and Technological Research Council of Turkey. Available online at www.journals.tubitak.gov.tr (Listed in scopus and SCImago)
29. **Mshelbwala, F.M.**, Igbokwe, I.O. & Hassan S.U (2010). Retrospective Study of Avian Coccidiosis Diagnosed at the Department of Veterinary Pathology, University of Maiduguri *Sahel Journal of Veterinary Science*, 9 (2): 1-4 Published by Faculty of Veterinary Medicine University of Maiduguri. Available online at: <https://saheljvs.org>
30. **Mshelbwala, F.M.**,&Igbokwe, I.O. (2009). Severe bilateral testicular atrophy among Nigerian Sahel Bucks. *Sahel Journal of Veterinary Science*. 9 (1):17-20, Published by Faculty of Veterinary Medicine, University of Maiduguri. Available online at: <https://www.ajol.info>
31. ^fIgbokwe, I.O, Grema, H., **Mshelbwala, F.M**&Ikpo, A.E. (2009). Unilateral Cryptorchidism in Nigerian Sahel Goat. *International Journal of Morphology*, 27 (3): 805-810, Published by Chile Anatomical Society; Anatomical Society of Argentina and an American Anatomical Society. Available online at: <https://www.researchgate.net> (Listed in scopus and SCImago)

*Additional article since last promotion

^fForeign journal

v. Articles Accepted for Publication

vi. Book: Nil

vii. Book Article or Chapter: Nil

viii. Edited Conference Proceeding: Nil

ix. Technical Report: Nil

10. MAJOR CONFERENCES ATTENDED (with date)

1. Mshelbwala, F.M. (2021) Oral and poster presentation: American Association of Avian Pathologists (AAAP) Virtual Annual Conference.

2. Mshelbwala, F.M., Adebisi, A.A., Ajayi, O.L., Olaniyi, M.O., (2019). Cholangiocarcinoma in exotic breeds of dog in Abeokuta and Lagos. 56th Annual National Congress of Nigeria Veterinary Medical Association (N.V.M.A.) held at Reverton Hotels, Lokoja, Kogi State. Between 7th and 11th October, 2019.
3. Mshelbwala, F.M. (2017). Veterinary services as tools for advancing economic growth, food and national security. 54th Annual National Congress of Nigeria Veterinary Medical Association (N.V.M.A.) held at Coronation Hall, Government House, Kano, kano State. Between 6th and 10th November, 2017.
4. Mshelbwala, F.M. (2014). The Veterinarian in National Development. 51ST Annual National Congress of Nigeria Veterinary Medical Association (N.V.M.A.) held at Umaru Musa Yar'Adua Indoor Sport Center, Murtala Square, Kaduna, Kaduna State. Between 23rd and 28th November, 2014
5. Jacobs, E.B., Akinkuotu, O.A., Mshelbwala, F.M. and Ogunyinka, O.G. (2014). Aberrant migration of *AscarisGalli* into the gall bladder and peritoneum of chickens. 51ST Annual National Congress of Nigeria Veterinary Medical Association (N.V.M.A.) held at Umaru Musa Yar'Adua Indoor Sport Center, Murtala Square, Kaduna, Kaduna State. Between 23rd and 28th November, 2014.

11. INFORMATION ON FELLOWSHIP, MASTER'S PROJECTS AND PH.D THESIS SUPERVISED:

1. Postgraduate Supervision

Title of thesis	Name of student	Matric. NO.	Year	Status	Supervision
Pathology of the bone marrow and lymph node in caprinetrypanosomosis	OsifadeOlawale	PG/14/0766	2017	On-going	Co-supervisor
Impact of the use and abuse of antimalaria drugs on the physiology and reproductive potential of mice	Audu David	PG/17/1/0692	2018	On-going	Co-supervisor

12. EXTRA CURRICULAR ACTIVITIES

Football, Table tennis, Volley ball, Listening to news

13. REFEREES

- 1. Prof. O.E. Ojo
Department of Veterinary Microbiology,
College of Veterinary Medicine,
Federal University of Agriculture, Abeokuta
Tel: 08038803716

- 2. Prof. A.O. Sonibare
Department of Veterinary Medicine,
College of Veterinary Medicine,
Federal University of Agriculture, Abeokuta
Tel. 08033213694

- 3. Prof. A.B. Idowu
Department of Pure and Applied Zoology,
College of Biological Science,
Federal University of Agriculture, Abeokuta
Tel: 08053080184

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Signature

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Date



Dr. F.M. Mshelbwala