

CURRICULUM VITAE



**PROF. DANIEL WAWERU GAKUYA, O.S.B.
B.V.M, MSc., PHD, MKVA, MKVB**

OCTOBER 2015

1. PERSONAL DETAILS

1.1. NAME: Daniel Waweru Gakuya

1.2. ADDRESS

Department of Clinical Studies,
Faculty of Veterinary Medicine,
University of Nairobi,
P.O. Box 29053-00625,
Nairobi Kenya.

1.3. TELEPHONE: +254-736704354(mobile); +254-722-443434(Mobile)

1.4. EMAIL: danielgakuya@yahoo.com, dwgakuya@uonbi.ac.ke

1.5 DATE OF BIRTH: 15th February 1964.

1.6. GENDER: Male

1.7. NATIONALITY: Kenyan

1.8. DESIGNATION: Associate Professor, Veterinary Internal Medicine

1.9 LANGUAGES: English, Kiswahili, Kikuyu

1.10. RELIGION: Catholic –Religious brother, Order of St. Benedict

2.0. EDUCATIONAL BACKGROUND

**2.1. Doctor of Philosophy in Veterinary Clinical Studies, University of Nairobi
(2002)**

2.2. Master of Science in Tropical Animal Production and Health, Centre of Tropical Veterinary Medicine, University of Edinburgh, Scotland (1996)

2.3. Bachelor of Veterinary Medicine (BVM), Faculty of Veterinary Medicine, University of Nairobi(1989)

2.4. Kenya Advanced Certificate of Education, Nyeri High School, 3 principals-Mathematics, Chemistry and Biology and 1 subsidiary(1983)

2.5. Kenya Certificate of Education, Kerugoya Boys High School, Division 1, 20 points (1981).

3.0. EMPLOYMENT/ POSITION HELD

3.1. Chairman, Department of Clinical Studies, Faculty of Veterinary Medicine(Appointed, July 27,2015).

3.2. Associate Professor, University of Nairobi, Department of Clinical Studies, Faculty of Veterinary Medicine, University of Nairobi (Appointed on 15th November, 2014 to Current).

3.3.Senior lecturer, University of Nairobi, Department of Clinical Studies, Faculty of Veterinary Medicine, University of Nairobi(Appointed on 20th March 2012)

3.4. Farm manager- Veterinary farm, University of Nairobi (October 2005 to October 2011)

3.5. Acting Farm manager -Veterinary Farm, University of Nairobi, Kanyariri (January to July, 2004).

3.6. Lecturer, University of Nairobi, Department of Clinical Studies, Faculty of Veterinary Medicine, University of Nairobi (Appointed on 18th November 2002 to March 2012)

3.7. Administrator/Clinician, Benedictine Monastery Tigoni Limuru. July 1997-December 2000

3.8. Farm manager/Clinician, Benedictine Monastery Farm, Limuru. May 1990-August 1995.

4.0. MANAGEMENT AND ADMINISTRATIVE EXPERIENCE

4.1. Chairman, Department of Clinical Studies -27th July 2015 to Current

4.2. Acting chairman, Department of Clinical studies-On several occasions since 2013.

4.3. Head of medicine section, Department of Clinical Studies, University of Nairobi (14th April 2014 to 27th July,2015). Coordination of the course for undergraduate and postgraduate , Preparing teaching schedules and other duties, examinations, sections requirements, sections meetings and other duties given by the chairman.

4.4. Farm manager, Veterinary Farm, University of Nairobi (October 2005 to October, 2011).

Responsibilities

- Administrative head of the department.
- Strategic planning for the farm.
- Management and administration of personnel.
- Planning of various farm activities, managing the health of animals, breeding and production.

Results/Outputs:

- Revitalization of the farm into a modern dairy farm by facilitating infrastructure building and acquisition of the following:
 - a. A new tractor New Holland TS90 and mouldboard plough
 - b. A new pickup Nissan 4WD hardbody
 - c. A new Rectangular Claas baler Markhant 55
 - d. Paddock construction to accommodate 160 animals
 - e. Interherd dairy computer software
 - f. Grass rake
 - g. New maize chopper
 - h. Grass Disc mower
- Staff development and Motivation of members of staff.

4.5. Honourable Secretary, Kenya Veterinary Association, 2004/2005.

Management of the Kenya Veterinary Association office. Communication with countrywide branches of the association, preparing meetings and membership in the scientific conference.

4.6. Administrator/Clinician, Benedictine Monastery, Limuru. 1997-2000

Duties: managing the farm, members of the monastery and staff and finances of the monastery

4.7. Farm manager/Clinician, Benedictine Monastery Farm, Limuru. May 1990-August 1995.

Duties: Taking care of health and nutrition of cattle, Sheep, pigs and fish
In charge of 40 farm workers.

5. MEMBERSHIP AND OTHER RESPONSIBILITIES

5.1. Member of Faculty Biennial Scientific conference and exhibitions committee-(14th April 2014 to Current).

Previously was the Secretary of the joint 50th anniversary celebrations committee for the Golden Jubilee of the Faculty of Veterinary Medicine and Kenya Veterinary Association in 2012.

5.2. Chairman of Faculty exhibitions and show committee- (21st March 2013 to current) Preparation of exhibition materials (Banners, posters and brochures) for various college and University exhibitions. Coordinating departments to prepare their exhibition materials especially for the Biennial Scientific conference and exhibitions.

5.3. Member of Faculty Curriculum committee (21st March 2013- Current). Participated in the review of the old Bachelor of Veterinary Medicine curriculum to the current one.

5.4. Member and Secretary of Faculty of Veterinary Medicine Farm, Kanyariri (2005 to 2011).

5.5. CAVS representative to University of Nairobi show committee and chairman of the college show committee (2004 to current). Preparing and coordinating all the departments of the college including the two faculty farms for the exhibits to the Nairobi International Trade fair and other selected shows.

Some of the major Trophies won by CAVS in the Nairobi International Trade Fair

- The Holstein Friesian Cup
- Sir John Ramsden Perpetual challenge cup
- Gema holdings cup
- Haig perpetual challenge cup
- Maclick cup of ASK
- Kenya Poultry Development co Ltd , perpetual challenge cup
- Pirie perpetual challenge cup of poultry
- S.K. Njuguna perpetual challenge cup
- BASF(EA) Perpetual challenge cup

5.6. Member of Board of Examiner in the Faculty of Veterinary Medicine and the Department of Clinical Studies

5.7. Member of Seniorate (Council) Benedictine Monastery, Tigoni, Kenya,

6.0. TEACHING EXPERIENCE AND CLINICAL PRACTICE

6.1. I have taught undergraduate and postgraduate students through lectures, practicals, demonstrations and supervision of projects for over 12 years.

6.2. I have served as an internal examiner and board member for several masters and PhD theses in the University of Nairobi.

6.3. I have been coordinating several programmes at undergraduate and postgraduate levels

6.4. Courses taught

6.4.1. Food animal medicine , Bachelor of Veterinary medicine in 3rd , 4th and 5th year, Bachelor of Leather Technology, Bachelor of Range Management, Bachelor of Agricultural Economics, Bachelor of Science in Agribusiness, Bachelor of Science in Animal, Production(Animal Science Major), Diploma of Leather Technology, Diploma of Animal Health and Production.

6.4.2. Wildlife diseases, Bachelor of Science in Wildlife management and conservation

6.4.2. Preventive medicine, Master of Science in Veterinary Medicine

6.4.3. Bovine medicine and herd health, Master of Science in Veterinary Medicine

6.4.4. Clinical therapeutics, Master of Science in Veterinary Medicine

6.4.5. Small animal medicine, Master of Science in Veterinary Medicine

6.4.6. Policy and ethics, Master of Science in Natural products and Bioprospecting

6.4.7. Herd Health planning and Management, Master of Veterinary Epidemiology and Economics

6.5. Coordination of courses

6.5.1. Wildlife diseases, Bachelor of Science in Wildlife management and conservation (Wildlife diseases 2011-2015).

6.5.2. Policy and Ethics, Master of Science in Natural Products and Bioprospecting (2011 to current).

6.5.3. Herd Health planning and Management, Master of Veterinary Epidemiology and Economics (2011 to 2015).

6.5.4. Herd health programmes (2003-2005). Organizing students farm visit.

6.6. CLINICAL PRACTICE

I am a practicing veterinary clinician in large animal Clinical medicine. I have carried out clinical work in the Benedictine monastery farm, Ambulatory clinic, Veterinary farm and in the large animal Medicine unit.

7.0. POSGRADUATE STUDENT SUPERVISION RECORD

7.1. PHD STUDENTS SUPERVISED TO COMPLETION

7.1.1. Dr. Sherry Ama Mawuko (2013).

Prevalence, clinical manifestations, anthelmintic efficacy, diagnosis and management of helminthosis in dogs in Ghana and Kenya. PhD in Veterinary Clinical Studies (Medicine) (**Completed and graduated, 2015**).

7.1.2. Dr. John Kaunga Muthee

Ethnopharmacology, bioactivity and anthelmintic efficacy of medicinal plants traditionally used in Loitoktok district, Kenya. PhD in Veterinary Clinical Studies (**Completed and graduated 2014**).

7.1.3. Dr. Joseph Mwanzia Nguta

Pharmacology and toxicology of antimalarial herbal remedies in Msambweni district, Kenya. PhD in pharmacology and toxicology (**Completed and graduated 2011**).

7.2. MASTERS STUDENTS SUPERVISED TO COMPLETION

7.2.1. Dr. Daniel M. Muasya

The use of antibody ELISA as a Screening test for Bovine Tuberculosis (bTB) and Prevalence Estimation. Msc in Veterinary Medicine (**Completed and graduated, 2015**).

7.2.2. Dr. Adrew Matole Konde

A study on the causes of puppy morbidity and mortality among dog breeders in Nairobi County and its environs. Msc in Veterinary Medicine (**Completed and graduated, 2015**).

7.2.3. Dr. Ronald O. Okindo

Toxicity, analgesic and antimicrobial activity of *Vernonia hymenolepis* used in Kenya for oral health care. Msc in Pharmacology and toxicology (**Completed and graduated 2014**).

7.2.4. Clare Njoki Kimani

Study of plants used by indigenous people of Machakos and Kitui, Kenya for the management of diabetes mellitus. Msc in Pharmacology and toxicology (**Completed and graduated 2013**)

7.2.5. Dr. Stanley Mwebia Itonga

Ethnobotanical and toxicological study of plants used in traditional medicine and as biopesticides in Meru, Kenya and preliminary toxicological evaluation of *Tephrosia vogelii*. Msc in Pharmacology and Toxicology (**Completed and graduated 2012**).

7.2.6. Mr. Joseph Kiviso Musau

Cytotoxicity and antimicrobial activity of selected toxic and medicinal plants used in Meru central district. **Msc in Pharmacology and Toxicology**
(Completed and graduated 2011)

7.2.7. Dr. C.G. Wagate

Pharmacological evaluation of antimicrobial and bioactivity of selected plants extract used by traditional healers in Machakos and Kitui districts, Kenya. Msc in Pharmacology and Toxicology (Completed and graduated ,2008).

7.3. ONGOING PHD STUDENTS SUPERVISION**7.3.1. Dr. S. Wambugu (2009)**

Evaluation of pain alleviating, anti-inflammatory and anti-rheumatic properties of selected Kenyan medicinal plants. PhD in Veterinary Anatomy and Physiology
(Conducting research project).

7.3.2. Dr. Jared Serem (2015).

Effect of Moringa oleifera supplementation on nutrient digestibility, growth, carcass characteristics and blood indices in weaned pigs (Conducting research work)

7.4. ONGOING MASTERS STUDENTS SUPERVISION

7.4.1. Dr. Moses Olum Okoth (2014). Establishing endemic stability against East coast fever by natural exposure and treatment at the Olpejeta conservancy in Kenya. Msc in Veterinary Medicine (Thesis defended).

8.0. INTERNAL EXAMINER , BOARD MEMBERS FOR THESE EXAMINATION AND EXTERNAL EXAMINER**8.1. INTERNAL EXAMINER PHD STUDENTS****8.1.1. Dr. J.K. Muthee**

Ethnopharmacology, bioactivity and anthelmintic efficacy of medicinal plants traditionally used in Loitokitok district, Kenya (2014).

8.1.2. Dr. Irene Thiguku Kamanja

Study of antimicrobial, phytochemical and toxicological properties of selected plants used in management of sexually transmitted infections in Samburu County, Kenya (2014).

8.1.3. Nalule Sarah Agnes

Ethnopharmacology, phytochemical composition and toxicity of medicinal plants used against livestock helminthes in drylands. (2011).

8.2. INTERNAL EXAMINER MASTERS STUDENTS

8.2.1. Dr. Moses Olum Okoth. Establishing endemic stability against East coast fever by natural exposure and treatment at the Ol pejeta conservancy in Kenya. Msc in Veterinary Medicine(2015)

8.2.2. Dr. Ogollah Joseph Okoth

Studies on in vivo antimalarial activity, toxicity and phytochemical composition of *Securidaca longepedunculata* Fresen(Polygalaceae)(2015).

8.2.3. Mr. Kuria Alex Nduru

Comparative evaluation of tanning strength of selected vegetable tanning materials from Laikipia county, Kenya(2015)

8.2.4. Dr. Sharon Nthenya Mbidyo

Risk factors and causes associated with disease morbidity and mortality of adult dogs in kennels within Nairobi county and it's environs(2015)

8.2.5. Ms. Zelipha Nyaituha Kabubii

Phytochemical composition, cytotoxicity and toxicological studies of *Rosmarinus officinalis*, *Catharanthus roseus* and *Myrsine africana* crude extracts.(2015)

8.2.6. Dr. Situma Silvia Nafula

The impact of enhanced nutritional and feeding practices on growth and health of dairy calves in Mukurweini district of Kenya.(2014).

8.2.7. Dr. Amenyah Hesbon Zablon Acute and sub-acute toxicological studies of *Rapanea melanophloeos* (L) Mez. In laboratory rats. (2011).

8.3. BOARD MEMBER FOR PHD THESIS EXAMINATION**8.3.1. Dr. Wanga Christopher Humphrey**

Evaluating the extent of underreporting of African Trypanosomosis for cost effective control of the disease in Busia (2015).

8.3.2. Dr. John K. Muthee

Ethnopharmacology, bioactivity and anthelmintic efficacy of medicinal plants traditionally used in Loitokitok district, Kenya (2014).

8.3.3. Dr. Irene Thiguku Kamanja

Study of antimicrobial, phytochemical and toxicological properties of selected plants used in management of sexually transmitted infections in Samburu County, Kenya (2014).

8.3.4. Nalule Sarah Agnes

Ethnopharmacology, phytochemical composition and toxicity of medicinal plants used against livestock helminthes in drylands (2011)

8.4. BOARD MEMBER FOR MASTERS THESIS EXAMINATION

8.4.1. Dr. Moses Olum Okoth . Establishing endemic stability against East coast fever by natural exposure and treatment at the Ol pejeta conservancy in Kenya. Msc in Veterinary Medicine(2015).

8.4.2. Dr. Ogollah Joseph Okoth

Studies on in vivo antimalarial activity, toxicity and phytochemical composition of *Securidaca longepedunculata* Fresen(Polygalaceae)(2015).

8.4.3. Mr. Kuria Alex Nduru

Comparative evaluation of tanning strength of selected vegetable tanning materials from Laikipia county, Kenya(2015)

8.4.4. Amos Kamau Kiragu(2015).

8.4.5. Dr. Sharon Nthenya Mbidyo

Risk factors and causes associated with disease morbidity and mortality of adult dogs in kennels within Nairobi county and it's environs(2015)

8.4.6. Ms. Zelipha Nyaituha Kabubii

Phytochemical composition, cytotoxicity and toxicological studies of *Rosmarinus officinalis*, *Catharanthus roseus* and *Myrsine africana* crude extracts(2015)

8.4.7. Dr. Anne Ndeke Ndulu. Reproductive performance of the Galla, Toggenburg goats and their crosses in Mwingi district ,Kenya(2015)

8.4.8. Dr. Dennis Nguee Makau. A study on the prevalence and factors associated with spartial distribution of bovine eimeriosis in Busia county of Western Kenya (2014).

8.4.9. Dr. Paul Okumu Onyango. Investigation of etiology and predisposing factors to domestic rabbit diseases in selected areas in Kenya (2014)

8.4.10. Dr. Situma Silvia Nafula

The impact of enhanced nutritional and feeding practices on growth and health of dairy calves in Mukurweini district of Kenya (2014)

8.4.11. Dr. Johnson Nasimolo

Morphometric evaluation of cellular involvement in brain inflammation and potential ant-inflammatory properties of *Erythrina abyssinica* (2013)

8.4.12. Dr. Jared Kibiwott Serem.

Characterization of Rabbit production systems in Kenya (2013)

8.4.13. Dr. Ruth Akinyi Origa.

Comparative Assessment of Fertility Characteristics of Bull semen based on Semen characteristics and In-vitro Embryo Production (2013)

8.4.14. Dr. Gilbert K. Kirui

A study to determine factors affecting health and productivity of camel calves in Marsabit district of Kenya (2012)

8.4.15. Dr. Joseph Kipkoech Bundotich

Study of acute toxicity of *Zanthoxylum chalybeum* using mice and brine shrimp experimental model (2012)

8.4.16. Dr. Amenity Hesbon Zablou

Acute and sub-acute toxicological studies of *Rapanea melanophloeos* (L) Mez. in laboratory rats (2011)

8.4.17. Dr. Ambrose Kipyegon

Evaluation of antifertility effects of papaya seed extracts on boars (2011)

8.4.18. Christopher Musembi Makau

The role of noradrenergic system in the modulation of pain-induced behavior in the tortoise (*Kinixys spekii*) and the Marsh terrapin (*Pelomedusa subrufa*) (2011)

8.4.19. Dr. J.K. Muthee

Toxicity of *Nicandra physaloides* (L) Gaertn in mice and calves (2008)

8.4.20. Dr. James Ombura

An evaluation of methodology of dairy bull dam selection in Kenya (2008).

8.4.21. Dr. Mark Opiyo Nanyingi

In vivo biocidal potency of *Acokanthera schimperi* and *Psidium punctulata* against *Boophilus decoloratus* and *Rhipicephalus appendiculatus* (2008).

8.4.22. Patric Mudavadi Ongadi

Bio-economic performance of grade cattle in mixed small scale farming systems of Vihiga, Kenya (2007).

8.4.23. J.O. Amimo

An evaluation of productive performance of the Kenya Ayrshire cattle **(2006)**.

8.5.EXTERNAL EXAMINER

8.5.1. University of Ghana- School of Veterinary Medicine

8.5.2. Sokoine University of Agriculture- Faculty of Veterinary Medicine-
Department of Veterinary Medicine and Public Health

9.0. RESEARCH AND CONSULTANCIES

9.1. Evaluation of *Moringa oleifera* products as an alternative source of protein in poultry production in Kenya. Principal Investigator and Post doctorate research work. Funded by Carnegie Corporation of New York through Regional initiative in Science African Natural product Research and Training Network (RISE AFFNET). Started in 2011 and continuing. Experimental work in broiler chicken completed and results published. Establishment of *Moringa oleifera* at Kibwezi Field station-Started in November, 2013. Experimental work in layer chicken started in January 2013, data analyzed and results published. Experimental work on utilization of Moringa in pigs. **Continuing**

9.2. Formulation, safety and efficacy of an anthelmintic herbal product from selected plants in Kenya. ST & I Competitive Grant (PhD). Funded by National Council for Science and Technology. **Started 2011 and completed**

9.3. Regional Initiative in Science Education (Node Faculty). African natural products Research and training Network (AFFNET) for training PhDs and Masters Student in the University of Nairobi. Participated in several students funded research projects funded by Carnegie corporation of New York through Science Initiative Group (SIG) **Started in 2009-continuing.**

9.4. Principal Investigator: *Effect of chelated copper, selenium and zinc monensin and virginiamycin on performance of lactating dairy cows.* Research conducted in Veterinary Farm .**Funded by Cooper (K) Brand, 2008. Completed.**

9.5. Principal investigator: Clinical and Pharmacological evaluation of the anthelmintic activity of *Albizia anthelmintica* Brogn, *Maerua edulis* De wolf and *Maerua subcordata* De Wolf plant extracts in sheep and mice(Funded by Dryland Husbandry Project and Missionary Benedictines of St. Ottilien)(**Completed,2012**)

10.0. LIST OF PUBLICATIONS

10.1. THESES

10.1.1. Clinical and Pharmacological evaluation of the anthelmintic activity of *Albizia anthelmintica* Brogn, *Maerua edulis* De wolf and *Maerua subcordata* De Wolf plant extracts in sheep and mice. Doctor of Philosophy in Veterinary Clinical Studies, University of Nairobi.

10.1.2. Ethnoveterinary medicine: The potential use of plant anthelmintics for the control of helminthoses in Kenya. Master of Science in Tropical Animal Production and Health. University of Edinburgh, Scotland

10.2. PAPERS IN PEER REVIEWED JOURNALS

10.2.1. Matole, A.M., Gitau, G.K., Kiptoon, J.K., **Gakuya, D.W.** 2015. Puppy morbidity and mortality among breeding kennels in Nairobi, Kenya. *Jacobs Journal of Veterinary Science Research* 1(4):1-7.

10.2.2. Johnson, S.A.M., **Gakuya, D.W.**, Mbutia, P.G., Mande, J.D., Ndichu, M. 2015. Prevalence of gastrointestinal helminths and management practices for dogs in the Greater Accra region of Ghana. *Heliyon* e00023.1-11.

10.2.3. Kimani, C.N., Mbaria, J.M., Suleiman, M., **Gakuya, D.W.**, Kiama, S.G. 2015. Antihyperglycemic activity of *Zanthoxylum chalybeum* stem bark extract in diabetic rats. *The Journal of Phytopharmacology* 4(3) 183-189.

10.2.4. Kamanja, I.T., Mbaria, J.M., Gathumbi, P.K., Mbaabu, M., Lanyasunya, A., **Gakuya, D.W.**, Kabasa, J.D., Kiama, S.G. 2015. Medicinal plants used in the management of sexually transmitted infections by the Samburu community, Kenya. *International Journal of Pharmaceutical Research* 7(2): 44-52.

10.2.5. Nganga, C.J., **Gakuya, D.W.**, Otieno, R.O., Githinji, R.W. 2014. Co-administration of Albendazole and Levamisole to control multiple anthelmintic resistance nematodes in a sheep farm in Kabete Kenya. *Bulletin of Animal Health and Production in Africa* 62:283-286.

10.2.6. **Gakuya, D.W.**, Mbugua, P.N., Mwaniki, S.M., Kiama, S.G., Muchemi, G.M., Njuguna, A. 2014. Effect of supplementation of *Moringa oleifera* (LAM) leaf meal in layer chicken feed. *International Journal of Poultry Science* 13(7):379-384.

10.2.7. **Gakuya, D.W.**, Mbugua, P.N., Kavoi, B., Kiama, S.G. 2014. Effect of supplementation of *Moringa oleifera* leaf meal in broiler chicken feed. *International Journal of Poultry Science* 13(4):208-213.

- 10.2.8.** Onzago, R.O., Kiama, S.G., Mbaria, J.M., **Gakuya, D.W.**, Nduhiu, J.G. 2014. Evaluation of the antimicrobial activity and toxicity of *Vernonia hymenolepis* (A.Rich) traditionally used for toothache in Kenya. *The Journal of Phytopharmacology* 3(1): 22-28.
- 10.2.9.** Onzago, R.O., Kiama, S.G., Mbaria, J.M., **Gakuya, D.W.**, Githinji, C.G., Rukenya, Z.M. 2013. Analgesic activity of aqueous extract of *Vernonia hymenolepis* (A.Rich) a traditional medicine plant used in Kenya for toothache. *The Journal of Phytopharmacology* 2(6): 41-45.
- 10.2.10.** **Gakuya, D.W.**, Itonga, S.M. Mbaria, J.M., Muthee J.K., Musau, J.K.2013. Ethnobotanical survey of biopesticides and other medicinal plants traditionally used in Meru Central district of Kenya. *Journal of Ethnopharmacology* 145(2):547-553.
- 10.2.11.** Nguta, J.M., Mbaria, J.M., **Gakuya, D.W.**, Gathumbi, P.K., Kabasa, J.D., Kiama, S.G.2012. Cytotoxicity of antimalarial plant diversity to the brine shrimp *Artemia salina* L (Artemiidae). *Drugs and therapy Studies* 2: 64-67.
- 10.2.12.**Nguta, J.M., Mbaria, J.M., **Gakuya, D.W.**, Gathumbi, P.K., Kabasa, J.D., Kiama, S.G.2012. Evaluation of acute toxicity of crude extracts from Kenyan biodiversity using brine shrimp, *Artemia salina* L. (Artemiidae). *The open conference proceeding Journal* 3:30-34.
- 10.2.13.** **Gakuya, D.W.**, Mbaria, J. M., Kiama, S.G., Gathumbi, P.K., Mathiu M. Nguta, J.M. 2011.Ethnoveterinary medicine: The prospects of integrating medicinal plants products in Veterinary Medicine in Kenya. *Kenya Veterinarian*. 35(2) 67-76.
- 10.2.14.**Musau, J.K., Mbaria, J.M., Gakuya, **D.W.** 2011. The antibacterial activity of some medicinal plants used in Meru Central district Kenya. *Kenya Veterinarian* 35(1)19-26.
- 10.2.15.**Nguta,J.M.,Mbaria,J.M.,**Gakuya,D.W.**,Gathumbi,P.K.,Kabasa,J.D.,Kiama ,S.G. 2011. Biological screening of Kenyan medicinal plants using *Artemia salina* L. (Artemiidae).*Pharmacologyonline* 2:458-478.
- 10.2.16.**Muthee,J.K.,Mbaria,J.M.,Thaiyah,A.G.,Karanja,D.N.,**Gakuya,D.W.**2011. Clinical,haematological,biochemical and pathological manifestation of sub-acute toxicity of *Nicandra physaloides*(L) Gaertan in calves. *Bulletin of Animal Health and Production in Africa* 59:17-24.
- 10.2.17.**Wambugu,S.N.,Mathiu,P.M.,**Gakuya,D.W.**,Kanui,T.I.,Kabasa,J.D.,Kiama ,S.G.2011. Medicinal plants used in the management of chronic joint pains in Machakos and Makueini counties, Kenya. *Journal of Ethnopharmacology* 137:945-955.

10.2.18. Nguta, J.M., Mbaria, J.M., Gathumbi, P.K., **Gakuya, D.W.**, Kabasa, J.D., Kiama, S.K. 2011. Ethnodiagnostic skills of the Digo community for malaria: a lead to traditional bioprospecting. *Frontiers in Pharmacology* 2(30):1-14.

10.2.19. Muthee, J.K., **Gakuya, D.W.**, Mbaria, J.M., Kareru, P.G., Mulei, C.M., Njunge, F.K. 2011. Ethnobotanical study of anthelmintic and other medicinal plants traditionally used in Loitokitok district of Kenya. *Journal of Ethnopharmacology* 131:15-21.

10.2.20. **Gakuya, D.W.**, Mulei, C.M. and Wekesa, S.B. 2011. Use of Ethnoveterinary remedies in the management of foot and mouth disease lesions in a dairy herd. *Journal of Traditional, Complementary and Alternative Medicine* 8 (2):165-169.

10.2.21. Nguta, J.M., Mbaria, J.M., **Gakuya, D.W.**, Gathumbi, P.K. and Kiama, S.G. 2010. Traditional antimalarial phytotherapy remedies used by the South Coast community, Kenya. *Journal of Ethnopharmacology* 131(2):256-267.

10.2.22. Nguta, J.M., Mbaria, J.M., **Gakuya, D.W.**, Gathumbi, P.K. and Kiama, S.G. 2010. Antimalarial herbal remedies of Msabweni, Kenya. *Journal of Ethnopharmacology* 128:424-432.

10.2.23. Wagate, G.C., Mbaria, J.M., **Gakuya, D.W.**, Nanyingi, M.O., Kareru, P.G., Njuguna, A., Nduhiu, N., Macharia, J.K. and Njunge, F.K. 2010. Screening of some Kenyan medicinal plants for antibacterial activity. *Phytotherapy research*: 24:151-153.

10.2.24. Muthee, J.K., Mbaria, J.M., Thaiyah, A.G. and **Gakuya, D.W.** 2009. Acute toxicity of *Nicandra physaloides* (L) Gaertn in cattle and mice. *Kenya Veterinarian* 33:16.

10.2.25. Wagate G. C., **Gakuya, D.W.**, Nanyingi, M.O. Njunge, F.K. and **Mbaria, J.M.** 2008. Antibacterial and cytotoxic activity of Kenyan medicinal plants *Mem Inst Oswaldo Cruz* 103(7): 650-652.

10.2.26. **Gakuya, D.W.**, Mbaria, J.M., Ochung, H.A., Musembi, J.K. and Ngesa, T.J. 2008. Preliminary investigation on suspected plant poisoning in the faculty of veterinary medicine farm, Kabete, Kenya. *Bulletin of Animal Health and Production in Africa* 56(1) 19-24.

10.2.27. **Gakuya, D.W.**, Nganga, J., Karanja, D.N., Wabacha, J.K. and Mutune, M.N. 2007. Multiple anthelmintic resistance on sheep farm in Kenya and its implication for helminth control. *Bulletin of Animal Health and Production in Africa* 55(4):226-230.

10.2.28. Mbaria J.M., **Gakuya, D.W.**, Yunus, S.N., Kaburia, H.F.A. and Njuguna, A.N.2006. Comparative brine shrimp toxicity of *Withenia somnifera* and *Chrysanthemum cinerariaefolium* extracts and invitro antimicrobial activity of *W. somnifera*. *Kenya Veterinarian* 30(2):53-56.

10.2.29. Muthee, J.K., **Gakuya, D.W.** and Nduhiu, J. 2005.Preliminary investigation on the status of bovine mastitis in a medium scale dairy farm in Kabete area, Kenya. *Kenya veterinarian* 29:57-59.

10.2.30. **Gakuya, D.W.** and Mulei, C.M. 2005.An investigation of the incidences of East coast fever, Anaplasmosis and Babesiosis in the bovine cases managed by ambulatory services of the Faculty of Veterinary medicine, Kabete. *The Kenya Veterinarian* 29:21-24.

10.2.31.**Gakuya, D.W.**, Mbithi, P.M.F., Mugambi, J.M., Maitho, T.E.and Musimba, N.K.R. 2005. Evaluation of the efficacy of aqueous extracts of *Albizia anthelmintica* and *Maerua edulis* against the nematode *Heligsomoides polygyrus* infections in mice. *Kenya Veterinarian* 28:24-28.

10.2.32. **Gakuya, D.W.**, Mbithi, P.M.F, Maitho, T.E. and Musimba, N.K.R. 2004. The potential use of plant anthelmintics for the control of livestock helminthoses in Kenya. *Kenya Veterinarian* 26 14-26.

10.2.33. **Gakuya, D.W.**, J.M. Mbaria, Mbithi, P.M.F and Munenge, R.W. 2004. Evaluation of bioactivity of some traditional used medicinal plants using Brine Shrimp lethality test. *Kenya Veterinarian* 26 8-11

10.2.34.**Gakuya, D.W.**, Mbithi, P.M.F and Musimba, N.K.R. 2000. Preliminary study of three medicinal plants used as anthelmintic for livestock in Kibwezi and Tunyo divisions of Makueni and Marakwet district. *Kenya Veterinarian* 24: 81-93.

10.3. PAPERS READ IN SCIENTIFIC CONFERENCES, WORKSHOP AND SEMINARS

10.3.1. **Gakuya, D.W.**, Mbugua,P.N.,Kavoi,B.,Mwaniki,S.M.,Kiama,S.G.2015. Evaluation of Moringa oleifera leaf meal supplementation in broiler and layer chicken feed. RISE-AFNNET Fellows' conference on natural products. Held at Imperial Royale Hotel,Kampala, Uganda on September 11th 2015.

10.3.2.Serem,J.K.,Wahome,R.G.,**Gakuya,D.W.**,Kiama,S.G.2015.Potentials of Moringa oleifera(MO) as pig feed ingredient in Kenya. RISE-AFNNET Fellows' conference on natural products. Held at Imperial Royale Hotel,Kampala, Uganda on September 11th 2015.

10.3.3.**Gakuya,D.W.**,Nganga,C.J.,Waruiru,R.M.,Sabuni,A.Z., Muasa, B.S. 2015.

Evaluation of anthelmintic efficacies in controlling gastrointestinal helminth infections in a sheep farm in Kabete Kenya with multiple drug resistance. Kenya Veterinary Association 49th Annual Scientific Conference. Held at Hotel Itoya, Busia county, Kenya on 22nd to 25th April 2015.

10.3.4. Nganga,C.J., **Gakuya, D.W.**, Waruiru,R.M.,Sabuni,A.Z.,Muasa,B.M. 2015.Co-administration of albendazole,levamisole and nitroxylnil to control multiple anthelmintic resistant nematodes in a sheep farm in Kabete. Kenya Veterinary Association 49th Annual Scientific Conference. Held at Hotel Itoya, Busia county,Kenya on 22nd to 25th April 2015.

10.3.5. Muthee, J.K., **Gakuya, D.W.**, Mbaria, J.M., Mulei, C.M. 2015.Phytochemistry and cytotoxicity of plants used as anthelmintics in Loitoktok sub-county,Kenya. Kenya Veterinary Association 49th Annual Scientific Conference. Held at Hotel Itoya, Busia county,Kenya on 22nd to 25th April 2015

10.3.6.Gakuya,D.W. 2014. Management of clinical mastitis in dairy cows. Kenya Veterinary Association-SEVET branch,CPD scientific seminar held at PCEA Nyamacaki Church hall, Nyeri on 2nd to 3rd December,2014.

10.3.7. Muasya D.W., Mwangi W.E., Kimeli P., Gitau G.K., **Gakuya D.W.**, Mande J.D. 2014. A retrospective study on isolation and antimicrobial sensitivity trends of mastitis causing pathogens in bovine and goats in Kabete, Kenya. 9th Faculty of Veterinary Medicine Biennial Scientific conference and Exhibition held at PHPT auditorium, 3rd to 5th September, 2014.

10.3.8. Nganga, C.J., **Gakuya, D.W.**, Otieno, R.O, Githinji, R.W. 2014.Co-administration of albendazole and levamisole to control multiple anthelmintic resistant nematodes in a sheep farm in Kabete Kenya. 9th Faculty of Veterinary Medicine Biennial Scientific conference and Exhibition held at PHPT auditorium, 3rd to 5th September, 2014.

10.3.9. Gakuya, D.W., Mbugua, P.N., Mwaniki, S.M., Kiama, S.G., Muchemi, G.M. Njuguna, A. 2014. The effect of supplementation of Moringa oleifera (lam) leaf meal in layer chicken feed. 9th Faculty of Veterinary Medicine Biennial Scientific conference and Exhibition held at PHPT auditorium, 3rd to 5th September, 2014.

10.3.10. Wambugu S. N., Mwangi P.W. , Mwonjoria J. , Mathiu P.M., **Gakuya D.W.**, Kanui T.I., Kiama S.G.2014. Antinociceptive properties of selected medicinal plants used in the treatment of chronic joint pains in Eastern Kenya. 9th Faculty of Veterinary Medicine Biennial Scientific conference and Exhibition held at PHPT auditorium, 3rd to 5th September, 2014.

10.3.11. Mbaria, J. M., Itonga, S. M., **Gakuya, D. W.** Gathumbi P. K., Mapenay, I. M. 2014. Study of bioactivity and acute toxicity of *Tephrosia vogelii* growing in Meru, Kenya. 9th Faculty of Veterinary Medicine Biennial Scientific conference and Exhibition held at PHPT auditorium, 3rd to 5th September, 2014.

10.3.12. Muthee, J.K, **Gakuya, D.W.**, Mbaria, J.M., Mulei, C.M. Mugambi, J.M. Nganga, J.C. 2014. Evaluation of anthelmintic efficacy of selected medicinal plants traditionally used in Loitokitok, Kenya. 9th Faculty of Veterinary Medicine Biennial Scientific conference and Exhibition held at PHPT auditorium, 3rd to 5th September, 2014.

10.3.13. Gakuya, D.W., Okoth, M.O., Muraya, J., Nganga, C.J., Muthee, J.K. 2014. An outbreak of acute helminthosis in a sheep and goat farm in Machakos County. 9th Faculty of Veterinary Medicine Biennial Scientific conference and Exhibition held at PHPT auditorium, 3rd to 5th September, 2014 (Poster)

10.3.14. Gakuya, D.W., Abuom, T.O., Onyango, C., Cheruiyot, L.K. 2014. Use of sodium hypochlorite (jik) in the management of dermatophytosis (ringworm) in a dairy cattle farm in Kiambu County. 9th Faculty of Veterinary Medicine Biennial Scientific conference and Exhibition held at PHPT auditorium, 3rd to 5th September, 2014 (Poster).

10.3.15. Johnson, S.A.M, **Gakuya D.W**, Mbuthia P.G. Maingi N. Mande J.D. 2014. Prevalence of gastrointestinal helminths and management practices for dogs in the greater Accra region of Ghana. 9th Faculty of Veterinary Medicine Biennial Scientific conference and Exhibition held at PHPT auditorium, 3rd to 5th September, 2014 (Poster).

10.3.16. Gakuya, D.W. 2014. Faculty of Veterinary medicine-University of Nairobi-Opportunities for collaboration. Africa-U.S. Integrated Disease Management (AFRUS-IDM) for Capacity Building in Integrated Management of Transboundary Animal Diseases and Zoonoses (CIMTRADZ) –International Cultural Boma and Conference. Held at Makerere University and Imperial Royale hotel, Kampala, Uganda June 30th to July 4th 2014.

10.3.17. Onzago, R.O., Kiama, S.G., Mbaria, J.M., Rukenya, Z.M., Gakuya, D.W. 2014. Efficacy and safety of *Vernonia hymenolepis* a medicinal plant used in Kenya for oral health. 48th Annual Scientific Conference, Boma Inn, Eldoret, Uasin Gishu County, April 23-25, 2014.

10.3.18. Okoth, M.O., **Gakuya, D.W.**, Wesonga, F.D., Kiraithe, Z., Muriuki, J.B., Mugambi, J.M., Ochieng, J.O. 2014. A preliminary study on natural exposure and treatment as a control measure for East Coast fever on calves on a ranch in Laikipia

County. 48th Annual Scientific Conference, Boma Inn, Eldoret, Uasin Gishu County, April 23-25, 2014.

10.3.19. Muthee, J.K., **Gakuya, D.W.**, Mbaria, J.M., Kareru, P.K., Mulei, C.M., Njunge, F. K. 2013. Ethnobotanical study of anthelmintic and other medicinal plants used in Loitokitok district of Kenya. 1st International one health conference at the Hilton Hotel, Addis Ababa, Ethiopia 23-26 September 2013.

10.3.20. Onzago, R.O., Kiama, S.G., Mbaria, J.M., **Gakuya, D.W.**, Rukenya, Z.M. 2013. Efficacy and safety of *Vernonia hymenolepis* a plant used in Kenya for toothache. Mount Kenya University First international Research and Innovation Conference held at Safari park Hotel Nairobi, Kenya on 28th -30th August 2013.

10.3.21. **Gakuya, D.W.**, Mbugua, P.N., Kavoi, B., Kiama, S.G. 2013. The effect of supplementation of *Moringa oleifera* leaf meal in broiler chicken feed. 47th Kenya Veterinary Association Annual scientific conference held at Whitesands hotel, Mombasa, Kenya on 24th to 26th April 2013.

10.3.22. Ongazo, R.O., Kiama, S.G., Mbaria, J.M., **Gakuya, D.W.**, Rukenya, Z. 2013. The efficacy, phytochemistry and safety of a medicinal plant (*Vernonia hymenolepis*) used in Kenya for oral health. 47th Annual Scientific Conference in Whitesands Hotel, Mombasa, Kenya on Wednesday 24th to April 26th 2013.

10.3.23. Onzago, R.O. Kiama, S.G., Mbaria, J.M., **Gakuya, D.W.** 2013. The efficacy, phytochemistry and safety of a medicinal plant (*Vernonia hymenolepis*) used in Kenya for oral health. Joint Fellows Scientific conference held in Kampala, Uganda on 14th to 16th February 2013.

10.3.24. Muchemi, G.M., **Gakuya, D.W.**, Gathura, P.B. 2013. Zoonotic diseases in wild and domestic animal in East Africa. Inter-University workshop to nurture collaboration, curriculum review, co-teaching and partnerships held at Panari Hotel, Nairobi on 21-24th January 2013.

10.3.25. **Gakuya, D.W.**, Mbugua, P.N., Kiama, S.G. 2012. Effect of feeding *Moringa oleifera* leaf meal on intake, growth, nutrient digestibility, plasma lipids and carcass in broiler chicken. Regional Initiative in Science and Education (RISE) AFNNET workshop held at KCB Karen, Nairobi on 26th to 27th October 2012.

10.3.26. Nguta, J.M., Mbaria, J.M., **Gakuya, D.W.**, Gathumbi, P.K., Kabasa, J.D., Kiama, S.G. (2012). Cytotoxicity of antimalarial plant extracts from Kenyan biodiversity to the brine shrimp *Artemisia salina* L (Artemidae). Faculty of Veterinary Medicine 8th Biennial Scientific Conference and the 46th Kenya Veterinary Association Annual Scientific Conference held at Safari park hotel, Nairobi, Kenya on 25th to 27th April 2012.

10.3.27. Gakuya, D.W., Kiama, S.G., Mbaria, J.M., Mbugua, P.N., Gathumbi, P.K., Mathiu, M. Abuom.T.A. 2012. The potential use of *Moringa oleifera* as poultry feed supplement in Kenya. Faculty of Veterinary Medicine 8th biennial scientific conference and 46th Kenya Veterinary Association Annual Scientific conference held at Safari park hotel, Nairobi, Kenya on 25th to 27th April 2012.

10.3.28.Nguta,J.M., Mbaria,J.M., **Gakuya, D.W.** ,Gathumbi,P.K., Kabasa,J.D., Kiama,S.G.(2012).Toxicity of crude plant extecats and antitumour drugs in the brine shrimp bioassay, 4th Inetrnational conference on Drug discovery and Therapy(4th ICDDT) 2012.Dubai men's college Dubai, United Arab Emirates. February 12th to 13th Dubai, UAE.

10.3.29.Nguta,J.M.,Mbaria,J.M.,**Gakuya,D.W.**,Gathumbi,P.K.andKiama,S.G. 2010. Ethnodiagnostic skills of the Digo community for Malaria: A lead to traditional bioprospecting. 1st East and Central Africa Regional Symposium for the Carnegie –Rise Fellows held at Imperial Royale hotel, Kampala, Uganda on 15th September,2010.

10.3.30.Kamanja,I.T.,Mbaria,J.M.,Gathumbi,P.K.,Lanyasunya,A.L.,**Gakuya,D.W.** and Kiama,S,G.2010. Medicinal plants traditionally used for the treatment and management of venereal diseases in Samburu, Kenya.1st East and Central Africa Regional Symposium for the Carnegie –Rise Fellows held at Imperial Royale hotel, Kampala, Uganda on 15th September,2010.

10.3.31.Nguta,J.M.,Mbaria,J.M.,**Gakuya,D.W.**,Gathumbi,P.K.,Kiama,S.G.(2010). Natural products from plant biodiversity and Malaria. In: Proceedings of the 12th International Symposium on Natural products chemistry and related biological sciences. International Centre for chemical and biological sciences (ICCBS) University of Karachi, Pakistan, November 22-25, 2010.

10.3.32. Gakuya, D.W., Kiama, S.G., Mbaria, J.M., Gathumbi, P.K., Mathiu, M. and Nguta, J.M.2010.Traditional medicine in Kenya: Past and current status, challenges and the way forward. Proceedings of the 7th Biennial Scientific conference, Faculty of Veterinary Medicine held at the Department of Public Health Pharmacology and Toxicology Auditorium, College of Agriculture and Veterinary Sciences, University of Nairobi, 8th-10th September, 2010.

10.3.33.Nguta,J.M.,Mbarai,J.M.,**Gakuya,D.W.**,Gathumbi,P.K.,Kiama,S.G.(2010). Development of ethnomedicines for management of malaria in Msabweni district, Kenya.In: The proceedings of a workshop on Regional networks in Africa, held on October 5-6th ,2010 at the Kopanong hotel and conference centre in Benoni, South Africa Johannesburg.

10.3.34.Kamanja,T.T.,Mbaria,J.M.,Gathumbi,P.K.,Mbaabu,M.,Lanyasunya,A., **Gakuya, D.W.**, Kiama,S.G.(2010). Medicinal plants traditionally used for the treatment and management of venereal diseases in Samburu, Kenya. In: The

proceedings of a workshop on Regional networks in Africa, held on October 5-6th, 2010 at the Kopanong hotel and conference centre in Benoni, South Africa Johannesburg

10.3.35. Gakuya, D.W., Mbaria, J.M., Kiama, S.G., Gathumbi, P.K., Mathiu, M. and Nguta, J.M.2010.Ethnoveterinary medicine: The prospects of integrating medicinal plants products in Veterinary Medicine in Kenya. Proceedings of the 7th Biennial Scientific conference, Faculty of Veterinary Medicine held at the Department of Public Health Pharmacology and Toxicology Auditorium, College of Agriculture and Veterinary Sciences University of Nairobi, 8th -10th September, 2010.

10.3.36 Nganga, C.J., **Gakuya, D.W.**, Waruiru, R.M., Zabuni, A.Z., Muasa, B.S.2010. Use of albendazole-levamisole combination in controlling multiple anthelmintic resistance in a sheep farm in Kabete Kenya. Proceedings of the 7th Biennial Scientific conference, Faculty of Veterinary Medicine held at the Department of Public Health Pharmacology and Toxicology Auditorium, College of Agriculture and Veterinary Sciences University of Nairobi, 8th -10th September, 2010.

10.3.37. Bundi, R.M., **Gakuya, D.W.**, Kipyegon, A.N., Muthee,J.K. 2010.An outbreak of sheep and goat pox diseases in Kiambu West district, Kenya. Proceedings of the 7th Biennial Scientific conference, Faculty of Veterinary Medicine held at the Department of Public Health Pharmacology and Toxicology Auditorium, College of Agriculture and Veterinary Sciences University of Nairobi, 8th -10th September, 2010.

10.3.38. Musau, J.K.,Mbaria,J.M., **Gakuya, D.W.**2010. The antibacterial activity of some medicinal plants used in Meru Central district, Kenya. Proceedings of the 7th Biennial Scientific conference, Faculty of Veterinary Medicine held at the Department of Public Health Pharmacology and Toxicology Auditorium, College of Agriculture and Veterinary Sciences University of Nairobi, 8th -10th September, 2010.

10.3.39. Gakuya, D.W., Mulei, C.M., Wekesa, S.N., Muthee, J.K.2010.An outbreak of Foot and Mouth Disease in a commercial livestock farm in Kenya and the implications to its control in Kenya. The 44th Scientific conference of the Kenya Veterinary Association held on 21st to 23rd April 2010 at Almond Resort, Garissa, Kenya.

10.3.40.Nguta,J.M.,Mbaria,J.M.,**Gakuya,D.W.**,Gathumbi,P.K. and Kiama, S.G. .2010. Ethnodiagnostic skills of the Digo community for Malaria: A lead to traditional bioprospecting. 1st East and Central Africa Regional Symposium for the Carnegie –Rise Fellows held at Imperial Royale hotel, Kampala, Uganda on 15th September,2010.

10.3.41.Wagate,G.C.,**Gakuya,D.W.**,Nanyingi,M.O.,Njonge,F.K.,Nduhiu,G.,Mbaria,J.M. 2008.Antibacterial and cytotoxic activity of some Kenyan medicinal plants.Proceedings of the 6th Biennial Scientific conference and Exhibition . Faculty of Veterinary Medicine held at the Department of Public Health Pharmacology and Toxicology Auditorium, College of Agriculture and Veterinary Sciences, University of Nairobi, 17th-19th September, 2008, Nairobi, Kenya.

10.3.42. Nanyingi, M.O., Mbaria, J.M., Wagate, C.G, **Gakuya, D.W.** Koros, Ogara, W.O. 2008. Pharmacoepidemiology and bioprospecting of herbal medicines in three districts in Kenya. 5th International congress of the African Association of Physiological Sciences (AAPS). 27th July -1stAugust 2008, Chiromo campus, Nairobi, Kenya.

10.3.43 Gakuya, D.W., Nganga, C.J., Sabuni, A.Z., Waruiru, R.M., Muasa, B.S.2008. Control of multiple anthelmintic resistance nematodes in sheep using levamisole-nitroxynil combination. Proceedings of the 6th Biennial Scientific conference. Faculty of Veterinary Medicine held at the Department of Public Health Pharmacology and Toxicology, College of Agriculture and Veterinary Sciences, University of Nairobi, 17th-19th September, 2008, Nairobi, Kenya.

10.3.44.Nganga,C.J.,**Gakuya,D.W.**,Sabuni,A.Z.,Waruiru,R.M.,Muasa,B.S. 2008.Evaluation of the anthelmintic efficacy of *Calliandra calothyrsus* and *Leucanea trichandra* against multiple anthelmintic resistance nematodes in sheep. Proceedings of the 6th Biennial Scientific conference and Exhibition held at the Department of Public Health Pharmacology and Toxicology Auditorium, College of Agriculture and Veterinary Sciences, Faculty of Veterinary Medicine, University of Nairobi, 17th-19th September, 2008, Nairobi, Kenya.

10.3.45. Muthee J.K., **Gakuya, D.W.**, J. Nduhiu, 2004.Preliminary investigation on the status of bovine mastitis in a medium scale dairy farm in Kabete area, Kenya. Proceedings of the 5th Biennial Scientific Conference ,Faculty of Veterinary Medicine held at the Department of Public Health Pharmacology and Toxicology Auditorium, College of Agriculture and Veterinary Sciences, University of Nairobi, 3rd -5th November 2004, Nairobi, Kenya

10.3.46.Gakuya, D.W., C.Mulei, 2004. An investigation of the incidences of East Coast Fever, Anaplasmosis and Babesiosis in the bovine cases managed by ambulatory services of the Faculty of Veterinary Medicine, Kabete. Proceedings of the 5th Biennial Scientific Conference, Faculty of Veterinary Medicine held at the Department of Public Health Pharmacology and Toxicology Auditorium, College of Agriculture and Veterinary Sciences ,University of Nairobi, 3rd -5th November 2004,Nairobi,Kenya.

10.3.47. Gakuya, D.W. 2001. Challenges of fish farming in Central Kenya. In: Establishment of a regional knowledge base for quality assurance of fish as food

and commodity. BAN workshop, September 24-26, 2001, KETRI, Muguga, Kenya.

10.3.48. Gakuya, D.W., P.M.F. Mbithi, T.E. Maitho, N.K.R. Musimba and J. Mugambi 2001. Evaluation of the efficacy of aqueous extracts of *Albizia anthelmintica* and *Maerua edulis* against nematodes *Heligmosomoides polygyrus* infections in mice. Proceedings of the first national workshop on medicinal, aromatic and underutilized plant species in Kenya at Naivasha KWS Institute.

10.3.49. Gakuya, D.W. 2000. Indigenous knowledge and dryland resource management. In: Community involvement in Sustainable Development in the Drylands of Kenya. Challenges and way forward. Proceedings of a national workshop of the Dryland Husbandry Project held at Mtito Andei, 11 November 1998 (Eds. D.M. Nyariki and N.K.R. Musimba) REDPA-DHP-Kenya, pp.19-20.

11.0. RECENT WORKSHOPS, SEMINARS, CONFERENCES, COURSES AND TRAINING

11.1.RISE-AFNNET Fellows' conference on natural products. Held at Imperial Royale Hotel,Kampala,Uganda on September 11th 2015.

11.2. Bsc Wildlife management and conservation and Msc Wildlife management and health Stakeholders workshop. Held at Haddasah Hotel, Nairobi, Kenya on 22nd July 2015.

11.3. Bsc wildlife management and conservation and Msc wildlife management and health Curriculum review workshop. Held at Lukenya getaway, Athi River on 3rd to 6th August 2015.

11.4. The Kenya Veterinary Association 49th Annual Scientific Conference. Held at Hotel Itoya, Busia county, Kenya on 22nd to 25th April 2015.

11.5. CSU-UON-Hawasa University mini-conference on University-Led Extension and community engagement held at Clinical Studies Seminar room, CAVS, University of Nairobi, Kenya on 24th March 2015.

11.6. Kenya Veterinary Association-SEVET branch,CPD scientific seminar held at PCEA Nyamacaki Church hall, Nyeri on 2nd to 3rd December,2014.

11.7. Research dissemination work shop for Dr. Muthee PhD project held at the Loitokitok Catholic conference centre, Loitokitok township on 10th -11th September 2014.

11.8. Faculty of Veterinary Medicine 9th biennial scientific conference at held at the Department of Public Health, Pharmacology and Toxicology Auditorium,

College of Agriculture and Veterinary Medicine, University of Nairobi on 3rd to 5th September, 2014.

11.9. Stakeholders workshop for validation of the proposed Natural products industry policy, 2012. Held at the National Museums of Kenya, Louis Leakey Auditorium, and Nairobi. 18th of July 2014.

11.10. Africa-U.S. Integrated Disease Management (AFRUS-IDM) Partners meeting for Capacity Building in Integrated Management of Transboundary Animal Diseases and Zoonoses (CIMTRADZ) –International Cultural Boma and Conference. Held at Makerere University and Imperial Royale Hotel, Kampala, Uganda. June 30th to July 4th 2014.

11.11. Developing University Bachelor of Veterinary Medicine curriculum workshop. Maanzoni Lodge 16th to 19th September 2013.

11.12. Stakeholders workshop to Review Veterinary and Wildlife Curriculum. Jacaranda Hotel, Nairobi. 4th September 2013.

11.13. University of Nairobi Science knowledge base (UONSK) e-Learning training Workshop held at the college of Agriculture and Veterinary science at 8-4-4 building, Kabete on 6th to 9th August 2013.

11.14. The Kenya Veterinary Association 47th annual scientific conference held at Whitesands hotel, Mombasa, Kenya on 24th to 26th April 2013.

11.15. Inter-University workshop to nurture collaboration, curriculum review, co-teaching and partnerships held at Panari Hotel, Nairobi on 21-24th January 2013.

11.16. Regional Initiative in Science and Education (RISE) AFNNET workshop held at KCB Karen, Nairobi on 26th to 27th October 2012.

11.17. Faculty of Veterinary Medicine 8th biennial scientific conference and 46th Kenya Veterinary Association Annual Scientific conference held at Safari park hotel, Nairobi, Kenya on 25th to 27th April 2012.

11.18. Prepare –PHD Project held at Clinical studies seminar room on 13th to 15th July 2011.

11.19. Training on Ovum pick up and invitro embryo production and Embryo transfer technologies course held at Clinical studies department/ILRI/VET Farm on 20th June 2011 to 1st of July 2011.

11.20. Forum on Regional Networks in Africa in Science Education and Conference held at Kopanong Hotel and Conference Center, Benoni, Johannesburg South Africa on 5th to 9th October, 2010.

11.21.1st East and Central African Regional Symposium for the Carnegie-Rise fellows held at Imperial Royale, Kampala, Uganda on 15th September 20

11.22. Performance enhancement strategies course held on 31st January 2009 at CCU, University of Nairobi.

11.23. The 43rd Annual Scientific conference of Kenya Veterinary Association held on 22nd to 23th April, 2009 at Outspan Hotel, Nyeri, Kenya.

11.24. Poultry Health for development workshop from 29th April to 8th May 2009 held at Information Resource Centre, Nairobi that was sponsored by University of California Davis, Ministry of Livestock development, Global Livestock CRSP and University of Nairobi.

11.25. The 7th biennial Scientific conference and Exhibition, Faculty of Veterinary Medicine held at Department of Public Health, Pharmacology and Toxicology Auditorium, College of Agriculture and Veterinary Medicine, University of Nairobi on 8th to 10th September, 2010.

11.26. The 44th Annual scientific conference of Kenya Veterinary Association held on 21st to 23rd April 2010 at Almond Resort, Garrisa, Kenya.

11.27. Natural products curriculum stakeholders and Technical workshop held on 7th to 8th December 2009 held at KCB Leadership Centre, Karen.

11.28. The 6th Biennial Scientific conference and exhibition, Faculty of Veterinary Medicine held at the Department of Public Health, Pharmacology and Toxicology Auditorium, College of Agriculture and Veterinary Sciences, University of Nairobi on 17th to 19th September 2008.

11.29. Training on transformative leadership and result based management (REM) held on 25th October 2007 at Taifa Hall, University of Nairobi.

11.30. The 41st Annual Scientific Conference of Kenya Veterinary Association held on 26th to 27th April 2007 at Sirikwa Hotel, Eldoret, Kenya.

11.32. A six day workshop on proposal and scientific writing from 26th -31st May 2007 held at School of monetary studies, Nairobi that was sponsored by RAIN-ASARECA and University of Nairobi.

11.33. Financial management course for Benedictine and Cistercians in Kenya and Uganda held at Subiaco Retreat Centre, Karen-Nairobi. 2nd February to 13th February 1998.

12. COMMUNITY SERVICE

12.1. Chairman, Department of Clinical Studies Welfare Group, 2004 to 2011, 2013 to current.

12.2. Patron, Upper Kabete Catholic Community. Involved in guiding, mentoring and advising students

12.3. Life member of the University of Nairobi Alumni

12.4. Board member of Trustees of Amani Housing Trust for Mathare 4A Development programme 1998 to 2007. A project sponsored by the German government and implemented by the Catholic Archdiocese of Nairobi.

13. PROFESSIONAL AND SOCIAL AFFILIATIONS

13.1. Registered Veterinary Surgeon by the Kenya Veterinary Board.

13.2. Member of the Kenya Veterinary Association.

13.3. Member of the Department of Clinical Studies Staff Welfare Association

14. ACADEMIC REFEREES

14.1. Prof. Charles M. Mulei,
Dean, Faculty of Veterinary Medicine
P.O. Box 29053, 00625,
Kangemi, Nairobi.

14.2. Prof. S.G.Kiama
Director, Wangari Maathai Institute
University of Nairobi,
P.O. Box 29053, 00625
Nairobi, Kenya.

14.3. Prof. J.M.Mbaria
Department of Public Health Pharmacology and Toxicology
P.O. Box 29053, 00625
Nairobi, Kenya.