

CHARLES MATIKU MULEI

(B.V.M, PhD)

CURRICULUM VITAE

2015

PERSONAL DATA

NAME: **PROF. CHARLES MATIKU MULEI**

TITLE: **PROFESSOR OF VETERINARY INTERNAL
MEDICINE**

PROFESSION: **VETERINARY SURGEON**

ADDRESS: University of Nairobi
College of Agriculture and Veterinary Sciences
Faculty of Veterinary Medicine
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DATE OF BIRTH: April 21st 1952

PLACE OF BIRTH **KANGUNDO, MACHAKOS COUNTY, KENYA**

NATIONALITY: Kenyan

MARITAL STATUS: Married

CURRENT POSITION: **DEAN,
FACULTY OF VETERINARY MEDICINE,
UNIVERSITY OF NAIROBI**

FORMERLY: **CHAIRMAN,
CLINICAL STUDIES DEPARTMENT,
UNIVERSITY OF NAIROBI**

SUMMARY OF WORK EXPERIENCE AND PROFESSIONAL SKILLS/ EXPERTISE

1. Professor

I am a professor with earned doctorate degree from the University of Queensland, Australia. I have been a Professor since 2003 and my area of specialization is internal veterinary medicine. As a professor I teach Internal Veterinary Medicine, Animal Health Management (Herd Health) and Veterinary Clinical Chemistry. I have demonstrable professional skills and extensive teaching experience in field veterinary work, teaching of both undergraduate and postgraduate students at the university spanning over 35 years.

2. Knowledge in structural, legislative and regulatory framework for administering university education.

As a dean I am well versed with structural, legislative and regulatory frame work for administering university education. I am knowledgeable on Commission for University Education documents of 2014; The Universities Act No. 42 of 2012, The Universities Regulations, 2014 and The Universities Standards and Guidelines, 2014. The University of Nairobi Statutes; University Of Nairobi Charter; University of Nairobi Policies and Strategic Plan; Millennium Development Goals; Vision 2030 and various government education policies including MTPs (medium term plans).

3. Experience on Leadership and Management in the University (Knowledge of Public Financial Management and Strategic People Management).

I have developed through the ranks of the university from Head of Internal Veterinary Medicine (1996-2003), Chairman of Clinical Studies Department (2009-2012) to Dean of the Faculty of Veterinary Medicine (2012 to Date). Thus I have over Five Years hands on experience at senior levels in the University.

I have a sound knowledge and experiences in financial management and strategic human resource management. I have also built my leadership skills through relevant courses to enhance my competences in public financial management and strategic human resource management. In this regard i have undertaken the following courses; Financial Strategic Analysis and Management, Strategic Leadership Development Program (SLDP), Balanced Scorecard and Corporate Governance.

(i) Financial Strategic Analysis and Management

This training equipped me with skills to analyze financial reports (statements), ask the right financial questions on financial reports and to measure and align financial performance to financial ratios (financial management).

(ii) Strategic Leadership Development Program

Through this competence in effective leadership, I rebranded my leadership towards well developed and shared institutional vision for improved performance (improving service delivery and achieving targets). This competence further polished my valued leadership skills of being a steward; a leader who is quick to identify talents and align them to institutional mission outputs.

(iii) Balanced Score Card

Here I was exposed to the importance of execution of strategy and alignment of all the activities of an institution to its vision and mission. It gave me a balanced view of how to execute an institutions' strategy towards the attainment of objectives of a strategic plan.

(iv) Corporate Governance

Training on good corporate governance was important to me in attaining and sustaining superior performance. I am now well grounded in corporate mechanisms, processes that relates to internal means by which corporations are controlled and directed. It involves more of direction rather than control. Good corporate governance promotes improvement in the quality and efficiency in directing the operations of the institution. It requires ethical

behavior, sound corporate governance practices such as disclosure, transparency, accountability and effective monitoring.

4. Formulation and managing of academic programs and supervising and mentoring of Masters and PhD students

I am an accomplished scholar with marked experiences in managing academic programs and supervising and mentoring Undergraduates and Postgraduate (Masters and PhD) students in the Faculty of Veterinary Medicine, University of Nairobi. I have initiated development of academics programs and review of academic programs for both undergraduate and postgraduate students. In the Clinical Studies Department, I guided development of three Master of Science courses.

Through my mentoring, many young academic members have grown in their careers; developed skills that have helped them publish scientific papers in peer-reviewed scientific journals and presented others in scientific conferences.

As the Dean of the Faculty of Veterinary Medicine, I have been managing academic and administrative matters of the faculty. I have looked for resources for curriculum review of Bachelor of Veterinary Medicine, Six Master of Science programs, Bachelor of Science in Wildlife Health and Management and Diploma in Animal Health and Production.

I have a great deal of experience in teaching, supervising and mentoring postgraduate students and examining their dissertations and theses. I have examined many Masters and PhD Dissertations and Theses of both local and

international students. I have been an External Examiner in various universities; Makerere University (Uganda), Sokoine University of Agriculture (Tanzania) and University of Zimbabwe (Zimbabwe).

5. Research and publications

I am both a researcher and a writer. As a researcher I have carried out research in various areas of veterinary medicine culminating in publication of scientific papers in Peer-Reviewed Scientific Journals and presenting of others in Scientific Conferences and Workshops. I have published a total of **133 scientific papers; 86** in Peer-Reviewed Scientific Journals and **47** in proceedings of scientific conferences and workshops.

As a writer, I have co-authored **8 Scholarly Books and a Teaching Manual;** FOUR books for University level and FOUR for Secondary School Agriculture (Form one to Form four pupil's books and a Revision Book) and ONE Teaching Manual on Animal Health course for Undergraduate students taking Agribusiness in the Faculty of Agriculture.

SUMMARY OF MY PUBLICATIONS/ TEXT BOOKS

PUBLICATIONS	TOTAL
(a) Scientific Papers	133
i) In Peer reviewed Journals	86
ii) In Scientific Proceedings	47
(b) Text Books	9
i) University scholarly books	4

ii) Secondary School Agriculture	5
iii) University Teaching Manual	1

6. Experience in networking, fundraising and resource mobilization

I have established five collaborative partnerships and one network. The collaborative partnerships are with the University of Helsinki (Finland) and Sokoine University of Agriculture (Tanzania), University of Ghana, Colorado State University (USA), Kenya Commercial Bank Foundation and World Animal Protection. With colleagues from Kenya, Uganda, Tanzania, Democratic Republic of Congo, Rwanda and Ethiopia we have established a network of fourteen universities on One Health referred to One Health Central and East Africa (OHCEA). I have been able to raise over 85 million Kenya shillings for research, outreach, training and equipment. I have also spearheaded refocusing of the Faculty of Veterinary Medicine in view of the changing dynamism of the sector to introduce new courses as demanded by stakeholders. Currently, we have the courses in Animal Welfare, Disaster Management, Veterinary Emergency Response and One Health. These courses are unique globally, making our university a step closer to World Class University.

7. Compliance with Chapter Six of the constitution on leadership and integrity

I have fully complied with all the requirements of Chapter Six of the Constitution.

- i. Kenya Revenue Authority – Tax compliance Certificate

- ii. Higher Education Loans Board – Certificate of Clearance
 - iii. Ethics and Anti-Corruption Commission – Stamped Self-Declaration Form.
 - iv. Police Clearance Certificate – Letter of Good Conduct
 - v. Credit Bureau – Certificate of Clearance
8. Experience in transformative and strategic leadership.

As an elected dean faculty of veterinary medicine I have harnessed my valued vision of steering the faculty members towards harmonious output of shared faculty strategy. In addition I have proactively participated in college academic and management affairs as a member of College Academic (CAB) and College Management Board (CMB). I developed the strategic plan of the faculty in line with the college and university strategic plans. In addition I have initiated development of new academic programs and review of others in the faculty. I successfully organized Golden Jubilee Celebrations (50 years) of the Faculty of Veterinary Medicine and two Biannual Scientific Conferences of the Faculty.

I have attracted various linkages and collaborations of the faculty with other institutions. As an academic and administrative head of the faculty I have inspired and mentored both academic and non-teaching members of staff in the faculty.

To encourage/inspire students to work hard I initiated a Faculty Academic Awards of Merit to the top students. This has greatly encouraged students to perform better within the faculty. Through my Initiative the Faculty of Veterinary Medicine has E-journal; the *International Journal of Veterinary and Allied Sciences*. With Deans of Faculty of Veterinary and Schools of Public Health, in East and Central Africa,

started One Health Central and East Africa (OHCEA) network which is founded by USAID.

As a member of the college committees; Procurement, Disposal, Corruption Prevention, ISO, Cohesion and National Values, I proactively provided progressive ideas of compliances to faculty members.

EDUCATIONAL/PROFESSIONAL TRAINING

2.0 UNIVERSITY EDUCATION 1975-1985

(i) **Doctor of Philosophy (PhD) in Farm Animal Medicine and Production.**

University of Queensland (Australia) **1981-1985**

(ii) **Bachelor of Veterinary Medicine (BVM).**

University of Nairobi, **1975-1979**

2.2 SECONDARY EDUCATION, 1969-1974

(i) **East African Advanced Certificate of Education (E.A.A.C.E).**

Kagumo High School, 1973-1974

(ii) **East African Certificate of Education (E.A.C.E)**

Kabaa High School, 1969 - 1972.

2.4. OTHER COURSES

(i) Specialised training course on “Recent advances in the diagnosis of Mycobacterial and Mycoplasmal infections in man and animals (**1998**),

Sokoine University of Agriculture, Tanzania.

- (ii) Statistical Analysis System (SAS) (**1992**) - University of Guelph, Canada.
- (iii) Clinical Epidemiology - **1991** - University of Guelph, Canada.
- (iv) Biometrics **1981-1982** - University of Queensland, Australia.

3. AWARDS

- i. Kenyan shell prize for the best first year student in the Faculty of Veterinary Medicine, University of Nairobi in **1975-1976** academic year.
- ii. Commonwealth Scholarship in **1981-1985**.
To undertake a study leading to Doctor of Philosophy (PhD) in Farm Animal Medicine and Production in the University of Queensland, Australia.
- iii. Sponsorship by CIDA through the University of Nairobi - University of Guelph Linkage Program to University of Guelph (Canada) for staff exchange/sabbatical leave in **1991/92**.
- iv. Sponsored by British Council for a short course on “Recent advances in the diagnosis of Mycobacterial and Mycoplasmal infections in man and animals (**1998**), Sokoine University of Agriculture, Tanzania.

4. LEADERSHIP AND MANAGEMENT TRAINING

I have done various leadership and management courses which have enhanced my leadership and management skills.

1. Intensive course on Strategic Financial Analysis and Management (10th to 12th February 2015). **Equip Africa Institute**

Output of the training;

- i) Better understanding and appreciation of the financial objectives of my institution.
 - ii) Analysis of reports to obtain information necessary for competitive decision making in dynamic environment.
 - iii) Improving communication with financial managers and how to ask the right financial questions.
 - iv) Application of key financial ratios to measure the financial performance of my institution. (Financial ratios analysis).
 - v) Assessing and improving the impact of ideas in a financial context.
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2. The Strategic Leadership Development Programme (**22nd September – 31st October** 2014) – Kenya School of Government.
This is a six week premier leadership training program for senior managers. The training covers five modules.
 - i) Making the transition from manager to a leader.
 - ii) Strategic thinking in leadership.

- iii) Developing leadership competencies.
- iv) Leadership for performance improvement.
- v) Institutional Culture and Change management.

3. Corporate Governance (21st - 23rd June 2012) – Kenya Institute of Administration.

This course broadly covers areas that important in corporate governance and the topics covered are;

- i) Principles of corporate governance
- ii) Leading and managing change
- iii) Corporate culture and code of best practice
- iv) Ethical issues and challenges facing corporate bodies
- v) Performance management
- vi) Management of meetings
- vii) Personality types
- viii) Roles and functions of the board and disclosure of interests
- ix) Setting performance objectives
- x) The concept of performance contracting
- xi) The process of strategic planning

4. Balanced Scorecard Training (19th - 20th February 2015) – The Center for Strategy & Management (The Strategy Center)

This training is important in execution of strategy. After strategic plan has been made it needs to be implemented. The balanced scorecard becomes

important in the execution of the strategy and aligns its activities of individuals and departments to the vision of the institution.

5. Performance Enhancement and Team Building (5th -6th August 2013) - Empowerment Resource Technologies Ltd.
6. Performance Enhancement (28th -29th July 2012) - Empowerment Resource Technologies Ltd.
7. Transformational Leadership (16th -18th November 2012) – Empowerment Resource Technologies Ltd.
8. One Health Leadership Training (14th – 15th December 2010) – University of Minnesota.
9. Performance Enhancement Strategies Course (31st January 2009 - Empowerment Resource Technologies Ltd.
10. Certificate of curriculum design – Tufts University, May 29th, 2013
11. The livestock Emergency Guidelines and Standards (**LEGS**): Training of Trainers (**TOT**). Kingston Jamaica, 12th – 17th May, 2014.

5. APPOINTMENTS/ WORKING EXPERIENCE

I have risen up the ladder from assistant lecturer (1979) to a full professor of Internal Veterinary Medicine (2003 to date) in Clinical Studies Department, Faculty of Veterinary Medicine and Dean of the Faculty of Veterinary Medicine.

(i) ELECTED DEAN (*2012 to date*)

and

Professor of Internal Veterinary Medicine

Faculty of Veterinary Medicine

University of Nairobi

(ii) ACTING DEAN (*2011 -2012*)

Faculty of Veterinary Medicine

University of Nairobi

(iii) CHAIRMAN (*2009 - 2012*)

Clinical Studies Department

Faculty of Veterinary Medicine

University of Nairobi

(iv) PROFESSOR – Internal Veterinary Medicine, *2003 to date*

Department of Clinical Studies,

Faculty of Veterinary Medicine

University of Nairobi

(v) ASSOCIATE PROFESSOR – *1996 - 2003.*

Department of Clinical Studies,

Faculty of Veterinary Medicine

University of Nairobi

(vi) SENIOR LECTURER - *1990 - 1996.*

Department of Clinical Studies,

Faculty of Veterinary Medicine

University of Nairobi

(vii) LECTURER - *1985 -1990.*

Department of Clinical Studies,
Faculty of Veterinary Medicine
University of Nairobi

(viii) ASSISTANT LECTURER - *1979 -1985.*

Department of Clinical Studies,
Faculty of Veterinary Medicine
University of Nairobi

6. MANAGEMENT AND ADMINISTRATION EXPERIENCES

I have been involved in management and administration at various levels in the College of Agriculture and Veterinary Sciences, Faculty of Veterinary Medicine and Department of Clinical Studies: ACTING PRINCIPAL - College of Agriculture and Veterinary Sciences - CAVS, DEAN - Faculty of Veterinary Medicine, CHAIRMAN -Clinical Studies Department, HEAD - Internal Veterinary Medicine discipline, Clinical Studies Department, and HEAD - Ambulatory and Herd Health Services, Clinical Studies Department, University of Nairobi.

6.1. ACTING COLLEGE PRINCIPAL

I am currently the acting Principal of the College of Agriculture and Veterinary Sciences and I before this I had acted as an acting College Principal on numerous

occasions and at various lengths when the substantive Principal was away.

This has given me opportunities to have experience about the office of the principal and to attend to college issues.

As the current acting College Principal I am fully conversant with the operations and management of the office of the principal. I have continued to undertake the duties and responsibilities of the principal with diligence.

6.2. ELECTED DEAN:

FACULTY OF VETERINARY MEDICINE- 2012 TO DATE

Responsibilities;

- Academic and administrative head of the faculty - accountable to the central university administration on all financial, academic and administrative matters of the faculty.
- Collaboration with national, regional and international bodies
- Ensuring that all university policies and statutes are followed.
- Handles all administrative matters of the faculty for both academic and non-academic staff.
- Development of Strategic plan for the faculty.
- Preparing the budget and procurement plan for the faculty.
- Chairing faculty board meetings.

- Conducting interviews for hiring of new staff and for upwards progression of both academic and non-academic staff.
- Handling of student's academic and personal matters.
- Ensuring that teaching of students and examinations are carried out according to university statutes.
- Ensuring that the faculty maintains the standards set for maintained ISO 2008 certification of the university
- Processing of students examination and releasing of the results.
- Mentorship of students
- Student advisor
- Development of new academic programs and review of the existing ones
- Program manager for Management of animal in disaster project.

Key Achievements;

1. Developed strategic plan for the Faculty of Veterinary Medicine.
2. Sourced funds (2.5 million Kenya shillings) for review of two academic programs.
3. Reviewed Bachelor of Veterinary Medicine curriculum.
4. Reviewed the diploma in animal health and production curriculum.
5. Reviewed SIX Master of Science programs for the department of Veterinary Pathology, Microbiology and Parasitology.
6. Developed Diploma in Biomedical Technology program for Sheikh Technical Veterinary College, Somaliland.

7. Organized the Golden Jubilee Celebrations (50 years) of the faculty of veterinary medicine.
8. Acquired funds (2.6 million Kenya shillings) for acquisition of video conferencing equipment for the faculty.
9. Established collaborative linkage with the University of Helsinki, Sokoine University of Agriculture and the University of Nairobi (HESONA).
10. Exchange of students and academic staff between University of Helsinki and the Faculty of Veterinary Medicine, University of Nairobi.
11. Started Training of Livestock Emergency Guidelines and Standards (LEGS) to fifth year veterinary students through the support of FAO and World Animal Protection (5 million shillings).
12. Started awards of certificate of merit to the top students and the runners up for the programs in the Faculty of Veterinary Medicine i.e. Bachelor of Veterinary Medicine, Bachelor of Wildlife health and management, Bachelor of Fisheries and Aquaculture Management and Bachelor of Leather science and technology.
13. The faculty established collaborative partnership (through a memorandum of Understanding) with the KCB foundation the social investment arm of Kenya Commercial Bank Group.
14. Started collaboration with the Faculty of Veterinary Medicine and Biomedical Sciences, Colorado State University, USA.
15. Started the Faculty of Veterinary Medicine E journal – International Journal of Veterinary and Allied Sciences.
16. One Health Central and East Africa (OHCEA) Network.

The network is comprised of fourteen schools of public health and faculties of veterinary medicine in six countries. The countries in the network are Uganda, Kenya, Tanzania, Rwanda, Democratic Republic of Congo and Ethiopia. The Kenyan chapter is made up of Faculty of Veterinary Medicine and school of Public Health in the University of Nairobi and school of Public Health in Moi University. The Kenya chapter office is in the faculty of veterinary medicine. The network has supported faculty activities such as development of curriculums, review of curriculums, one health leadership trainings, participation in conferences and materials e.g. conference equipment to a tune of over 30M Kenya shillings.

The project is actively involved in training undergraduates and postgraduates and in-service leadership trainings. Over 30 scientific papers have already been published through this initiative, particularly those presented during the 1st OHCEA conference held in Addis Ababa in 2013.

17. Collaboration with World Animal Protection (formerly WSPA)

The faculty has established collaborative partnership (linkage) with the world animal protection. The linkage has attracted funds to the faculty of over 85 million shillings for various activities in the faculty especially in Clinical Studies Department. The activities of the linkage in the faculty are;

- i) Animal Welfare within the faculty (Funding of over 25M Kenya Shillings), which has since been embedded into the curriculum. The project

is also actively generating postgraduate students in faculty on animal welfare (3 Masters and 2 PhD students).

- ii) **Animal Disaster Management and mitigation (2010-2016) -**
This project is currently running up to 2016 (Funding to date over 30M Kenya Shillings). The project has since been involved in National Animal disaster Management activities in the greater Mwingi area of Kitui County (Drought mitigation) and Tana River County (Human conflict). Curriculum on disaster management and mitigation has already been embedded in the Bachelor of Veterinary Medicine curriculum.

 - iii) **Veterinary Emergency Response Unit (VERU) 2010-2017:**
(Funding of over 20M). This is a unit peculiar only to Faculty of Veterinary Medicine, University of Nairobi, which is trained to respond to both national and international animal disasters. It is the only one in the World. This unit, which I am the manager, has trained trainers, who train within the faculty and nationally on animal disaster mitigation. This project has introduced training of Livestock Emergency Guidelines and Standards (LEGS) curriculum to the fourth year Bachelor of Veterinary Medicine students. The faculty is the only one in the world offering this course to students.
The unit (VERU) has secured funding (10M Kenya Shillings) from the World Animal Protection for EL-Nino mitigation in Baringo Country.
- 18. Research agreement between Ross University, School of Veterinary Medicine and Faculty of Veterinary Medicine, University of Nairobi.**

19. Successfully organized the Fourth Meeting of Deans of Schools and Faculties of Veterinary Medicine or Science of Southern and Eastern Africa in Nairobi 10th and 11th August 2015.

20. Staff Welfare and Development (HR) in the faculty;

(i) Promotions

PROMOTION TO	NUMBER
Full Professors	3
Associate Professors	9
Senior Lecturers	6
Lecturers	5
Principal Technologists	2

(ii) Recruitment

CADRE	NUMBER
Lecturers	4
Tutorial Fellows	11
Technologists	4

(iii) Scholarships

DEGREE	NUMBER
Masters	4
Doctor of Philosophy	12

I was invited and participated in the 5th AU-IBAR Advisory Committee Meeting 27th February 2015 in Nairobi, Kenya.

6.3 CHAIRMAN: CLINICAL STUDIES DEPARTMENT,
FACULTY OF VETERINARY MEDICINE - 2009 to 2012.

Responsibilities

- a) Head of academic programs and administrative head of the department.
- b) Ensuring that all academic programmes are taught, examinations are carried out according to University of Nairobi regulations.
- c) Development of Strategic Plans for the department.
- d) Management and administration of personnel in the department.
- e) Administration and management of a busy Large and Small Animal Research, Teaching and Commercial Hospital under the Clinical Studies Department.
- f) Development of new academic programs.
- g) Mentoring of students
- h) Management and administration of large and small animal hospital.

Key Achievements

1. Development of three clinical masters programs; Master of Veterinary Medicine (M.VetMed.), Master of Veterinary Surgery (M.VetSurg.) and Master of Theriogenology (M.Therio.).
2. Development strategic plan for the faculty
3. Grant of 5 million Kenya shillings for training of trainers (TOTs -lecturers) and purchase of equipment for training of students on animal welfare issues and disaster management.
4. Establishment of Veterinary Response Unit (VERU) office for responding to animal disasters in the country.
5. Responded to animal disaster due to drought in the greater Mwingi district of Kitui County at a cost of 2 million shillings support from World Society for

Protection of animals.

6. Started training of final year veterinary students on animal welfare and disaster management stop-gap modules.
7. Acquisition of surgical theatre equipment worth 4.8 million Kenya shillings for the small animal surgical theatre
8. Acquisition of a Toyota mini bus (worthy 3.5 million Kenya shillings) for field practice.
9. Acquisition of new state of the art digital X-Ray machine (worthy 6 million Kenya shillings) for diagnostic work and research.
10. Refurbishment of the 4th and 5th year lecture theatres

6.4. HEAD INTERNAL VETERINARY MEDICINE, DEPARTMENT OF CLINICAL STUDIES 1996 TO 2003.

Responsibilities:

- a) Making of medicine lecture schedules for 3rd, 4th and 5th year veterinary students and post graduate students (i.e. organising teaching of medicine).
- b) Organising setting of both semester and professional examinations for 3rd, 4th and 5th year veterinary students and postgraduate students.
- c) Making of invigilation schedules for medicine examinations
- d) Compiling of the student's continuous assessment marks, practical marks and professional examination marks.
- e) Ensuring that end of year professional examinations are set on time and moderated by the external examiner.
- f) Attending to students needs in clinical veterinary medicine.

- g) Ensuring that student's clinical competences are properly assessed and marks recorded accordingly.

Key Achievements

1. Five clinical case papers (reports) were published in peer reviewed journals and presented in scientific conferences.
2. Introduced weekly continuous examinations on clinical cases.
3. Wrote five research proposals of which two were funded.

6.5. HEAD: AMBULATORY AND HERD HEALTH SERVICES, DEPARTMENT OF CLINICAL STUDIES - 1990-1996

Responsibilities

- a) Making of ambulatory, herd health and clinical duty rota.
- b) Looking for large/medium scale farms where 5th veterinary students could be taken for herd health and field practice.
- c) Organizing for herd health / field practices for 5th year veterinary students.
- d) Ensuring that student's clinical competences are properly assessed and marks recorded accordingly.

Key Achievements

1. Farms visited during the period increased by 20%.
2. Six scientific papers were published in peer reviewed journals and four presented in scientific conferences from the data collected during the farm visits.
3. Students were mentored on how to write herd health reports

6.6. CO-ORDINATOR OF THE MODULE TWO DEGREE COURSES IN THE DEPARTMENT OF CLINICAL STUDIES (2000-2005)

Responsibilities

- a) To prepare courses syllabi
- b) To prepare course timetables
- c) To co-ordinate teaching and examinations of the courses

Achievements

- 1. Developed course content for clinical chemistry course unit for the Bachelor of Biomedical Technology (BLT).
- 2. Developed teaching manual for teaching of Bachelor of Biomedical Technology (BLT)

7.0. PROFESSIONAL RESPONSIBILITIES

I have been a registered veterinary surgeon for 36 years. After graduation as a veterinary surgeon in 1979 I was employed as a clinical assistant in Clinical Studies Department rising through the ranks to the position of Professor (full) of Internal Veterinary Medicine in the same department. Since my appointment as clinical assistant I have been in the department carrying out various professional duties which pertain to the core functions of the university. The core functions of the university are teaching, research, community service and consultancy.

7.1. TEACHING

I have been teaching both postgraduate and undergraduate students in the department of Clinical Studies and other departments in the faculty.

7.1.1. POSTGRADUATE STUDENTS

- a) Teaching of *Advanced Veterinary Clinical Pathology* to postgraduate students in the Department of Clinical Studies and Veterinary Pathology, Microbiology and Parasitology department.
- b) Teaching *Advanced Veterinary Internal Medicine* to postgraduate students doing MSc. In veterinary medicine (M.VetMed) in the Department of Clinical Studies
- c) Teaching of *Herd Health planning and management* to MSc. students in Veterinary Epidemiology and Economics (MVEE) in the Department of

Public Health, Pharmacology and Toxicology.

7.1.2. UNDERGRADUATE STUDENTS TEACHING

I have been teaching of the following courses to undergraduate students in the faculty of veterinary medicine;

- a) Veterinary internal Medicine (Animals diseases) to Third, Fourth and Fifth year veterinary students
- b) Veterinary Clinical Chemistry Fourth-year veterinary students.
- c) Animal Health to final year agricultural students.
- d) Medical Clinical chemistry to Biomedical Technology students

7.1.3. POSTGRADUATE STUDENTS SUPERVISION

I have supervised three Doctor of Philosophy (PhD) degrees to completion and one on-going and five masters to completion and one on-going in my area of specialization.

Doctor of Philosophy (PhD)

1. Dr. Wabacha JK. (2009). (completed)

Thesis entitled; Factors influencing pig health, productivity and economics of interventions in smallholder pig farms in Kiambu District, Kenya.

2. Dr. Muthee JK (2014). (completed)

Entitled; Ehnobotany, phytochemistry, bioactivity and anthelmintic efficacy of medicinal plants traditionally used in Loitoktok county, Kenya.

3. Dr. Kitaa JMAK (2014). (completed)

Entitled; A clinical, haematological and molecular evaluation of ehrlichial infections in dogs in Nairobi and its environs.

4. Dr. Kirui G (on-going)

Entitled: Factors influencing donkey hoof health, working efficiency and the impact on livelihood of donkey-dependent communities in Kenya.

Master of Science (MSc)

1. Ndegwa EW 2000 (completed)

Prevalence of dairy goat mastitis in Central Kenya Highlands

2. Kirui G. 2012 (completed)

A study to determine factors affecting health and productivity of camel calves in Marsabit District, Kenya

3. Bundi RM 2012 (completed)

The prevalence, risk factors and antibacterial sensitivity and usefulness of petrifilms as a diagnostic tool of bovine mastitis in Mukurwe-ini and greater Nakuru districts, in Kenya.

4. Situma SN 2014 (completed).

The impact of enhanced nutritional and feeding practices on growth and health of dairy calves in Mukurweini district, Nyeri County, Kenya.

5. **Shepelo GP. (completed)**

Prevalence and risk factors associated with coccidiosis, cryptosporidiosis, and giardiasis in calves in smallholder farms in mukurwe-ini district, Nyeri County, Kenya.

6. **Mbindyo SN. (completed)**

Risk factors and causes associated with disease morbidity and mortality of adult dogs in kennels within Nairobi County and its environs.

7.1.4. POSTGRADUATE STUDENTS EXAMINATION

I have been the Chairman of Board of Examiners for 53 MSc and 15 PhD students.

Master of Science (MSc.)

1. Bundi Royford Magiri (2012). The prevalence, risk factors, antibacterial sensitivity and usefulness of petrifilms as a diagnostic tool of bovine mastitis in Mukurwe-ini and greater Nakuru districts, Kenya.
2. Kirui Gilbert (2012). A study to determine factors affecting health and productivity of Camel calves in Marsabit district in Kenya.
3. Mugo Samuel Gitau (2012). Prevalence and risk factors of conditions causing lameness in sheep under free range grazing system in Kajiado District, Kenya.

4. Tsigadi Sharon Andeyo (2012). Clinical, Radiographic and pathological features of urinary conditions in dogs in Nairobi, Kenya.
5. Lengarite Moses Ima (2012). Evaluation of mineral status of small ruminants in Marsabit South District of North Kenya.
6. Waweru Patrick Kamundia (2012). Pathological changes associated with pollution and endoparasites in Nile Perch and Tilapia in Lake Victoria, Kenya.
7. Emali Eric Estitela (2012). Prevalence of porcine cysticercosis and associated risk factors in free range pigs in Homa-Bay District, Kenya.
8. Lekoolool Isaac Ltajewa (2012). Epidemiological investigation of bovine tuberculosis in the wildlife-livestock interphase in the Maasai Mara and Amboseli ecosystems of Kenya.
9. Magero Joan Akumu (2012). An assessment of economic and financial sustainability of Lokichoggio slaughterhouse in Turkana District, Kenya.
10. Papah Babak Michael (2012). The structure of male reproductive organs in Laka Magadi Tilapia (*Alcolapia graham*).
11. Mulei Isaac Rumpel (2012). The effects of schistosomiasis and Malaria co-infection on the Clinical and pathological outcome in experimentally infected baboons (*papio cynocephalus Anubis*).
12. Mwai Cameline Wanjiru (2012). Risk of contamination of beef carcasses with *Escherichia coli* 0157 from slaughter houses in Nairobi, Kenya.
13. Bundotich Joseph Kipkoech (2012). Study of acute toxicity of *Zanthoxylum chalybeum* using mice and brine shrimp experimental model.

14. Gathumbi Jason Kimotho (2012). Factors associated with potential human exposure of pesticides and levels of lead, copper and organochlorine residues in fish and soil sediments in Kirinyaga South District.
15. Okumu Francis Ochola (2012). Phamaco-epidemiological and Toxicological study of snake evenomations in selected areas of Kenya.
16. Kutto Elisha Kimutai (2012). Bacteriological contamination of farm and market kale in Nairobi and its environs: Pathogenicity and antibiotic sensitivity profiles of the isolated salmonellae.
17. Manzi Maximillian (2013). Factors affecting Pre and Post-weaning growth of crossbred cattle genotypes of Sonag research station in Rwanda.
18. Marete Andrew Gitahi (2013). Analysis of inbreeding levels and characterization of the lactation curve of Kenya Alpine dairy goat.
19. Sirma Anima Jematia Kigen (2013). Levels of human exposure to aflatoxins in Nandi County, Kenya.
20. Kyalo Michael Makau (2013). Prevalence, intensity and pathology associated with helminth infections in indigenous chickens in Kiambu West, Thika and Nairobi Districts, Kenya.
21. Mwhia Evalyn Wanjiru (2013). Tocity of *albizia gummifera*: A plant commonly used in ethnoveterinary medicine in Kenya.
22. Chege Stephen Maina (2013). Factors associated with morbidity and mortality in selected ungulate species in AI Wildlife Resort, United Arab Emirates.

23. Kabui Stephen Kinyua (2013). A study of milk quality control by quality based payment system in small holder farms in Limuru and Eldoret, Kenya.
24. Gachugia Wilson Kuria (2013). Prevalence and pathology associated with caprine arthritis encephalitic disease in goats in Thika, Nairobi and Machakos district, Kenya.
25. Muraya Joan (2013). A study of Follicular dynamics in Kenyan boran cow.
26. Origa Ruth Akinyi (2013). Comparative assessment of bull fertility based on semen characteristics and in-vitro embryo development.
27. Mambiri Lamek Madegwa (2013). Evaluation on performance of doe genetic groups of the domestic rabbit and pre-weaning litter survival at Ngong Farmers Training Centre (NFTC), Kenya.
28. Njeru Harriet Karimi (2013). Effect of yeast metabolites and enzyme complex on performance, gastrointestinal morphology, immune response and intestinal microbiota in broiler chicken (*Gallus domestica*).
29. Kibore Benson (2013). Determining the seroprevalence of foot and mouth disease virus in Kenya using the LPB and 3 ABC-ELISA tests.
30. Toroitich Charles Kisa (2013). Prevalence of mastitis and associated risk factors in lactating one-hump camels in West Pokot, Kenya.
31. Kimani John Muturi (2013). Dermal wound healing and regeneration in mole rats (*Heterocephalus glaber* and *Tachyoryctes inenus*) and percival's spiny mouse (*acomys percivali*).

32. Nasimolo Johnson (2013). Anti-inflammatory potential of the coral tree (*Erythrina abyssinica*) histological and immunohistochemical evidence in chronic trypanosomiasis mouse model.
33. Mutwiri Linda Gatwiri (2013). Prevalence and intensity of infection with gastro-intestinal parasites in thompson's gazelles in Marula Ranch in Kenya.
34. Wille Edwin Mwangi (2013). Evaluation of the effects of *epidural lidocaine, xylazine*, ketamine and their combination in dogs.
35. Kimani Clare Njoki (2013). Efficacy and phytochemical screening of selected plants used in management of diabetes mellitus in Machakos, Kenya.
36. Omwenga Isaac Mokaya (2013). Assessment of pesticide and heavy metal residues in tilapia fish from Machakos and Kiambu Counties, Kenya.
37. Kibegwa Felix Matura (2014). Mitochondrial DNA variations and maternal lineage of indigenous goats in Narok and Isiolo Counties of Kenya.
38. Kemboi David Chebutia (2014). Improving effectivity of Newcastle disease vaccination and productivity, in indigenous chicken through effective parasite control.
39. Maina Simon Migwi (2014). Enhancement of Peste des Petits ruminants (ppr) diagnosis through the analysis of experimental infection of sheep and goats and validation of real time pcr as a diagnostic tool in Kenya.
40. Chege Hannah Wambui (2014). Seasonal parasite carriage of village chicken in Mbeere Subcounty; antiparasitic treatment used; and effectiveness of selected anthelmintics.

41. Onyango Paul Okumu (2014). Clinicopathological survey and predisposing factors of diseases of domestic rabbits in selected areas in Kenya.
42. Serem Jared Kibiwott (2014). Characterization of rabbit production systems in Kenya.
43. Owange Nelson Ochieng (2014). Occurance of Rift Valley Fever and association risk factors in cattle in Ijara District, Kenya.
44. Yuot Mabior Mabil De-awar (2014). A survey of causes of carcass and organ condemnations of livestock slaughtered in three abattoirs in South Sudan.
45. Kimeli Peter (2014). Locomotion scores and their associated factors in dairy cows within the smallholder zero-grazing units in Kikuyu District, Kiambu County, Kenya.
46. Rhangani Albert Tambudzani (2014). Incidence, classification and management of appendicular bone fractures in dogs in Nairobi County, Kenya.
47. Onzago Ronald Okindo (2014). Study of antimicrobial, analgesic and toxic properties of *Vernonia hymenolopepis* (A. Rich).
48. Rukenya Zakary Muthii (2014). Phytochemical screening, antimicrobial activity and acute toxicity of *Aloe Turkanensis*.
49. Situma Silvia Nafula (2014). The impact of enhanced nutritional and feeding practices on growth and health of dairy calves in Mukurweini District of Kenya.
50. Kuria James Menni (2014). Determination of the efficacy of *alpillia pluriseta shweinf* (Astaraceae) wound healing.

51. Ngugi David Njenga (2014). Study of antimalarial activity, cytotoxicity and acute toxicity of *zanthoxylum chalybeum* ENGL, and *vernonia lasiopus* O. Hoffman.
52. Mbindyo Christine Minoo (2014). To characterize dairy goat production in mount Kenya region; determination of prevalence of subclinical mastitis and risk factors of subclinical mastitis and perform antibiotic sensitivity of the isolates.
53. Makau Dennis (2014). A study of factors associated with the prevalence of coccidian infection in cattle and its spartial epidemiology in Busia, Bungoma and Siaya Counties, Kenya.
54. Ouko Elizabeth Omolo (2014). Sources and levels of human exposure to aflatoxins in Makueni County, Kenya.
55. Mathai Lilyan Wanjiru (2015). Ultrasonographic Features of Abdominal Conditions in Dogs.
56. Mbindyo Sharon Nthenya (2015). Risk Factors and Causes of Associated with Disease Morbidity and Mortality of Adult dogs in Kennels within Nairobi County and its Environs.
57. Shah Dhaval (2015). A histological and immunological study of cutaneous nodular lesions and other surface swellings in Kenyan horses.
58. Rosamond Andrews Leelia (2015). A survey of animal bite injuries in humans and the economic burden of rabies in Machakos county, Kenya.

Doctor of Philosophy (PhD)

1. Kavoi Boniface Mwanzia (2012). The rabbit olfactory mucosa: postnatal morphology and the effects of anticancer drugs in blostine and docetaxel.
2. Abworo Edward Okoth (2012). Epidemiology of African swine fever virus in sylvatic and domestic cycles in Kenya.
3. Lusweti Dorcas (2013). Genetic variation of the Lake Victoria Nile Perch.
4. Nyariki Thomas Manyibe (2013). The pathology and role of bacterial and endoparasitic diseases in mass mortality of lesser flamingos in Kenya.
5. Wesonga Fred David (2013). Assessment of livestock production constraints in a smallholder production system in Machakos District, Kenya with special reference to tick-borne diseases.
6. Nyongesa Albert Wafula (2013). Mechanism of action of purified cathinone from KHAT (*Catha edulis*) on behavioral and reproductive function in vervet monkeys (*Chlorocebus aethiops*).
7. Kamanja Irene Thiguku (2014). Study of antimicrobial, phytochemical and toxicological properties of selected plants used in management of sexually transmitted infections in Samburu County, Kenya.
8. Muthee John Kaunga (2014). Ethnopharmacology, phytochemistry, bioactivity and anthelmintic efficacy of medicinal plants traditionally used in Loitokitok District, Kenya.

9. Amimo Joshua Oluoch (2014). Molecular detection, genetic characterization and roonotic potential of porcine rotaviruses.
10. Odhong Charles Owino (2014). Feasibility of intergrating of organic milk production on certified small holder organic farms in Kiambu and Kajiado Counties.
11. Olwande Portas Odula (2014). Epidemiological assessment of productivity constraints and appropriate intervention intervention measures of indigenous chicken production in South Nyanza, Kenya.
12. Abuom Tequiero Okumu (2014). Infections abortion and associated risk factors in dairy cattle herds in Nakuru.
13. Kitaa Jafred Mulama A. (2014). A clinical haematological and molecular evaluation of ehrlichial infections in dogs in Nairobi and its environs.
14. Kihu Simon Mwangi (2014). Risk factors and socio-economic effects associated with spread of *Peste des petits ruminants* (PPR) in Turkana County, Kenya.
15. Hope Richard Otsyina (2015). Prevalence, Pathophysiology and Diagnosis of indigestible rumen foreign bodies in sheep and goats in Kenya.
16. Mburu Leonard Mwaura (2015). Effect of seasonality of feed resources on dairy cattle production in the coastal lowlands of Kenya.
17. Obanda Vincent Onyango (2015). Effects of Habitat overlap in Helminth transmission between sympatric Baboons, Vervet Monkeys and Ungulates in Amboseli Ecosystem, Kenya.

18. Johnson Sherry Ama Mawukos (2015). Prevalence, clinical manifestations, anthelmintic efficacy, diagnosis and management of parasitic infections in dogs in Ghana and Kenya.
19. Wanga Christopher Humphrey (2015). Evaluating the extent of underreporting of African Trypanosomosis for cost effective control of the disease in Busia.
20. Munyua Peninah Mbaire (2015). Identification and characterization of influenza viruses in selected domestic animals in Kenya.

7.2. CLINICAL SERVICES

- a) Pre-clinical to third and fourth year veterinary students.
- b) Ambulatory services - field clinical practice for final year veterinary students.
- c) Herd Health services (Production Medicine) - farm visits that provides medical and extension services to medium and large scale - farmers for final year veterinary students.
- d) Internal medicine to fifth-year Veterinary Students – this is hospitalized animals in the large animal hospital. The animals are admitted in the hospital for enhanced diagnosis and specialized treatment.

Key achievement

- I was able to write six clinical cases that were published in peer reviewed scientific journals.

7. 3. EXTERNAL EXAMINATION

a) External Examination

(i) Post Graduates Theses and Dissertations

I have been an external examiner for **Six PhD Thesis, Five MSc. Thesis** and **Four dissertations** from various universities.

(ii) Undergraduate Students

➤ **Makerere University**, Uganda in **1995 – 1997, 2002, 2003**

External examiner for Bachelor of Veterinary Medicine Third, Fourth and Fifth year veterinary students,

➤ **Sokoine University** of Agriculture, Tanzania **1998 – 2000, 2004-2006**

External examiner for Bachelor of Veterinary Medicine, third, fourth and fifth year veterinary students,

➤ **University of Zimbabwe**, Zimbabwe in **2004, 2006**

External examiner in the department of clinical veterinary medicine, Faculty of Veterinary Medicine,

b) Internal Moderator for Clinical Chemistry for both undergraduate and Postgraduate students in the Department of Clinical Chemistry University of Nairobi, College of Health Sciences **2000 – 2005, 2009, 2013**

7.4. RESEARCH ACTIVITIES

- a) A clinical, haematological and molecular evaluation of ehrlichial infections in dogs in Kenya, a case study of Nairobi and its environs
- b) A study on the Occurrence and Trends in Antimicrobial Sensitivity Patterns of Bovine Mastitis Determinants in medium Holder dairy Farms of Peri-Urban Area in Nairobi, Kenya.
- c) Factors influencing donkey hoof health, working efficiency and the impact on livelihood of donkey-dependent communities in Kenya.
- d) Prevalence and risk factors associated with coccidiosis, cryptosporidiosis, and giardiasis in calves in smallholder farms in Mukurwe-ini district, Nyeri County, Kenya.
- e) Risk factors and causes associated with disease morbidity and mortality of adult dogs in kennels within Nairobi County and its environs.

7.5. CONSULTANCIES

- a) Continuing education courses on animal health care.
- b) Scientific reviewer of Clinical Medicine papers for The Kenya Veterinarian, the scientific journal of the Kenya Veterinary Association (**1998 to date**).
- c) Developed a training program on haematology and clinical chemistry for staff of non-governmental organisations working with ethnoveterinary medicine practitioners (April **2000**). These are groups that are interested in scientifically validating some ethnoveterinary remedies that are used by pastoralists.

8.0. MEMBERSHIP OF UNIVERSITY / COLLEGE COMMITTEES/BOARDS, COMMUNITY SERVICE, ASSOCIATIONS AND PROFESSIONAL BODIES

8.1. University Boards/Committees

I am a member of various boards and committees in the university.

1. Board member of centre for self sponsored programmes (CSSP)
2. Member of the university housing allocation committee
3. Member of University of Nairobi Press Editorial Board (2005 to date).
4. Member of the University of Nairobi Senate (2009 to date).

8.2. College Committees

I am a member many College of Agriculture and Veterinary Sciences (CAVS) committees which has given me a lot of experience in the matters of the college.

These committees are;

- a) College Disposal Committee.
- b) College Procurement Committee.
- c) College Corruption Prevention Committee (CCPC).

- d) College Cohesion and National Values Committee.
- e) Chairman of the College Bursaries and Scholarship award Committee.
- f) College ISO Committee.
- g) Research committee (2007 – to date).

8.3. Faculty of Veterinary Medicine Committees

- (a) The steering committee of the linkage program between the University of Nairobi and University of Guelph, 1990-1994.
- (b) Faculty of Veterinary Medicine Time Tabling Committee, 1985-1991
- (c) Faculty of Veterinary Medicine – Module II policy guideline committee.
- (d) Chairman, Technical Committee for Rehabilitation of Kibwezi farm (2007-2010).
- (e) Animal Industry Consultancy (AICU) Unit in the department of Clinical Studies.

8.2. Professional Memberships

- (a) Member of the Kenya Veterinary Association (1979 to date).
- (b) Member of the Technical Committee for Veterinary Mutual Recognition Agreement for veterinarians within the East African Region (2003 to date).

8.4. Board Memberships

I am a member of various boards.

- a) Member of the College of Agriculture and Veterinary Sciences Management Board. (College Management Board - CMB).
- b) Member of the College of Agriculture and Veterinary Sciences Academic Board. (College Academic Board - CAB).
- c) Member of the Kenya Veterinary Board (KVB) - 2011 to date.
- d) Member of One Health Central and Eastern Africa (OHCEA) board (2011 to date).
- e) Member of the Veterinary Farm Board (2013 to date).
- f) Member of Board of Governors for Manyatta Secondary School

9.0. PUBLICATIONS

I have one Doctor of Philosophy dissertation and have published eight (**8**) scholarly books; **Four** for University level and **four** for secondary school. I have in addition published one hundred and thirty (**130**) scientific papers; Eighty six (**86**) scientific papers in peer-reviewed scientific journals and forty four (44) scientific papers in proceedings of scientific conferences and workshops.

9.1. DISSERTATION

Title: Relationship between production performance and Responses of Blood Chemistry to different physiological states in dairy cattle. University of Queensland (Australia), **1985. Doctor of Philosophy.**

9.2. TEXT BOOKS

9.2.1 SCHOLARLY BOOKS

These books are on various areas of veterinary medicine such as metabolic and non-infectious diseases, restraint of animals, basic principles of veterinary surgery and routine surgical procedures of veterinary medicine. Three of these books have been published by the University of Nairobi press and one has been accepted for publication by the University press. The published textbooks are used as course resource materials by the Bachelor of Veterinary Medicine undergraduate Students. These books are;

- (a) **Charles M. Mulei** and Peter M. Mbithi
Metabolic and Nutritional Disorders in Food Animals
University of Nairobi Press, **2003**
ISBN 9966 846 55 7

- (b) Peter M. Mbithi, **Charles M. Mulei** and Eddy G. M. Mogo
Restraint of Domestic, Laboratory and Wild Animals
A manual for veterinary students, practitioners and animal handlers

University of Nairobi Press, **2003**

ISBN 9966 846 54 9

- (c) Peter M. Mbithi, James Nguhiu - Mwangi and **Charles M. Mulei**

Basic Principles of Veterinary Surgery

University of Nairobi Press, **2009**

ISBN 9966 846 60 1

- (d) Peter M. Mbithi, **Charles M. Mulei** and James Nguhiu – Mwangi

Veterinary handbook on Routine Operative Surgical Procedures

University of Nairobi Press (**Accepted for publication**)

9.2.2. SECONDARY SCHOOL TEXT BOOKS

These are books on secondary school agriculture and three of them have been published by the university of Nairobi press. The fourth textbook and the revision book have been accepted for publication by the university of Nairobi press. The books are a series of four textbooks that cover Form One to Form Four agriculture. Sixty percentage of the secondary school agriculture is on animal husbandry.

- (a) **Charles M. Mulei** and Cosmas M. Nzioka

Secondary School Agriculture Form I, Pupils Book and Teacher's Guide

University of Nairobi-Press, **2005**

ISBN 9966 846 67 0

- (b) **Charles M. Mulei** and Mical Otieno
Secondary School Agriculture Form II, Pupils Book and Teacher's Guide
University of Nairobi Press, **2008**
ISBN 9966 846 80 8
- (c) **Charles M. Mulei** and Mical Otieno
Secondary School Agriculture Form III, Pupils Book and Teacher's Guide
University of Nairobi Press (**In Press**)
- (d) **Charles M. Mulei** and Mical Otieno
Secondary School Agriculture Form IV, Students Book and Teacher's
Guide University of Nairobi Press, 2008
ISBN 9966 846 90 5
- (e) **Charles M. Mulei** and Mical Otieno
Secondary School Agriculture Revision Book
University of Nairobi Press (**Accepted for publication**)

9.2.3. UNDERGRADUATE TEACHING MANUAL

- (a) **Mulei, C.M.** and Abuom, T.O. (2013).

This is a 145 page teaching manual titled "Animal health management". The manual is a teaching material for Bachelor of Science in Agricultural education and extension, in the faculty of Agriculture. It covers broad aspects of the major diseases affecting domestic animals in Kenya and the East African region.

9.3.0. SCIENTIFIC PUBLICATIONS

9.3.1. IN PEER REVIEWED JOURNALS

I have published 86 scientific publications in peer reviewed journals. In this Section the publications are arranged according to the year of publication. The recently peer reviewed publication (number 86) appears at the top while the first publication (number 1) appears at the bottom of the section.

86. Mutembei HM, **Mulei** CM and Mbithi PMF (2015). Safeguarding livestock during drought disasters in Kenya can safeguard livelihoods and food security in affected regions. Case Study of Mwingi.

African Journal of Food, Agriculture, Nutrition and Development, 15(3):10049-10061, June 2015

85. Kitaa JM, **Mulei** CM, Mande JD and Wabacha J (2014). A Retrospective Study of Canine Ehrlichiosis in Kenya.

International Journal of Veterinary Science, 3(33):122-124.

84. Mwangi WE, Mogoia EM, Nguhiu-Mwangi J and **Mulei** CM. (2014). Effects of epidural Ketamine, Xylazine and their combination on body temperature in acepromazine-sedated dogs.

International Journal of Advanced Research, 2(4):336-340.

83. Thuo JKN, Aleri JW, Kitaa JMA and **Mulei CM.** (2014). Seasonality and occurrence of canine babesiosis in Nairobi and its environs in changing climatic patterns.

Kenya Veterinary Journal, 38(1):18-23.

82. Mwangi WE, Mogo EM, Nguhiu-Mwangi J and **Mulei CM.** (2014). The haematological and Cardiopulmonary effects of Epidural Xylaxine, Lidocaine and their combination in Acepromazine sedated dogs. **International Journal of Veterinary Science, 3(2):46-51.**

81. Gitau GK, Bundi RM, Vanleeuwen J and **Mulei CM.** (2014). Mastitogenic bacteria isolated from dairy cows in Kenya and their antimicrobial sensitivity.

Journal of the South African Veterinary Association (2014), <http://www.JSAVA.co.za> doi:10.4102//jsava.v84i1.950.

80. Gitau GK, Bundi RM, Vanleeuwen J and **Mulei CM.** (2013). Evaluation of Petrifilms as a diagnostic test to detect bovine mastitis organisms in Kenya. **Tropical Animal Health and Production, 45:883-886 (2013).**

79. Aleri J.W, Nguhiu J.M., Mogoia E.M. and Mulei C.M. (2012). A note on milking practices in the smallholder dairy production systems of Nairobi and its Environs.
Bulletin of Animal Health and Production in Africa, 60:565-569 (2012).
78. Odongo, M.O, Ndungu T.N. Mulei C.M. Macharaia J. and Nduhiu J. (2012). Prevalence of microbial causes of bovine mastitis in Kabete area Kiambu County and its environs.
Kenya Veterinarian, 36(1)6-14 (2012).
77. Aleri JW, Aboum TO, Kitaa JM, Kipyegon and Mulei CM. (2012). Clinical presentation, treatment and management of some rabbit conditions in Nairobi.
Bulletin of Animal Health and Production in Africa, 60:149-152 (2012).
76. Aleri JW, Nguhiu-Mwangi J, Mogua EM and Mulei CM. (2012). Welfare of dairy cattle in smallholder (zero-grazing) production systems in Nairobi and it's environs.
Livestock Prod. for Rural Development. 24(9): (2012).
75. Aleri JW, Thaiyah AG, Aboum TO and Mulei CM. (2011). Atypical Actinobacillosis in a cow. A case report.
Bulletin of Animal Health and Production in Africa, 50(4):471-473 (2011)

74. Gakuya DW, Mulei CM and Wekesa SB. (2011). Use of Ethnoveterinary remedies in the management of Foot and Mouth Disease lesions in a dairy herd.
African Journal of Traditional Complement Alternative Medicine, 8(2):165-169 (2011).
73. Aleri JW, Kipyegon AN, Mande JD, Mulei CM and Karanja DN. (2011). Acute respiratory distress syndrome due to Babesiosis in a dog.
Research Journal in Animal Science, 5(2):14-16 (2011).
72. Muthee JK, Gakuya DW, Mbaria JM, Kareru PG, Mulei CM and Njonga FK. (2011). Ethnobotanical Study of anthelmintic and other medicinal plants traditionally used in Loitokitok district, Kenya.
Journal of Ethnopharmacology, 135(1):15-21 (2011).
71. Gitau GK, Wabacha JK, Mulei CM, Ndurumo S and Nduhiu JM. (2011). Isolation rates and antimicrobial sensitivity patterns of bovine mastitis pathogens in peri-urban area of Nairobi, Kabete, Kenya.
Ethiopian Veterinary Journal, 15(1):1-13 (2011).
70. Aleri JW, Mutembei HM, Mulei CM, Gakombe JW and Mbugua SW. (2010). A retrospective Study of Reproductive Conditions in Bitches in Nairobi. **Kenya Veterinarian, 34:29-31, (2010).**
69. Gitau GK, Aleri JW, Mbuthia PG and Mulei CM. (2010). Causes of calf mortality in peri-urban area of Nairobi, Kenya.
Tropical Animal Health and Production, 42:1643-1647 (2010).

68. Aleri JW, Mogua EM, **Mulei CM** and Mande JD (2009). Animal welfare. The impact of customized lectures on knowledge and perceptions of veterinary students on animal welfare and related legislations. **Kenya Veterinarian, 33(1): (2009).**
67. Wabacha J K, **C.M. Mulei**, N.P. Gitonga, M. J., Njenga, A.G. Thaiyah A.G, and J. Nduhiu (2007). Atypical dermatophilosis of sheep in Kenya. **Journal of South African Veterinary Association, 78(3):178-181(2007)**
66. JK Wabacha, JM Maribei, **CM Mulei**, MN Kyule, KH Zessin and W Oluoch-Kosura (2006). Evaluation of alternative health interventions against sarcoptic mange and gastro-intestinal nematodes in smallholder pig herds in Kenya. **Bulletin of Animal Health and Production in Africa, 54(2) 2006: 82-91 9(2006).**
65. Wabacha J K, Gitonga N P, Njenga M. J., Thaiyah A.G, Mulei C M (2006). An outbreak of acute bovine dermatophilosis in a large scale dairy herd in Kenya. **Bulletin of Animal Health and Production in Africa, 54:144-147**
64. Gakuya, D.W. and Mulei, C.M. (2005). An investigation of the incidences of East Coast Fever (ECF), Anaplasmosis and Babesiosis in the bovine cases managed by ambulatory services of the Faculty of Veterinary Medicine, Kabete. **The Kenya Veterinarian, 29:21-24 (2005).**

- 63.** Kitaa, J.M.A., **Mulei, C.M.**, Mande, J.D. and Wabacha J.K. (**2005**). Clinical, laboratory diagnosis and treatment of Ehrlichial infections: Dogs. A review. **The Kenya Veterinarian, 29:71-75 (2005).**
- 62.** Wabacha, J.K., **Mulei, C.M.**, Kyule, M.N., Zessin, K.H., Mbithi, P.M.F and Munyua W.K. and Maribei, J.M. (**2004**). Helminthosis in smallholder pig herds in Kikuyu division, Kiambu district, Kenya.
The Kenya Veterinarian, 26:29-33 (2004).
- 61.** Wabacha, J.K. J. M. Maribei, **C. M. Mulei**, M. N. Kyule, K. H. Zessin, W. Oluoch-Kosura. (**2004**). Characterization of smallholder pig production in Kikuyu Division, central Kenya.
Preventive Veterinary Medicine, 63:183-195(2004).
- 60.** Wabacha, J.K. J. M. Maribei, **C. M. Mulei**, M. N. Kyule, K. H. Zessin, W. Oluoch-Kosura. (**2004**). Health and production measures for smallholder pig production in Kikuyu Division, central Kenya.
Preventive Veterinary Medicine, 63:197-210 (2004).
- 59.** Wabacba, J.K., **Mulei, C.M.**, Kyule, M.N., Zessin, K.H., Weda, E.H. Maribei, J.M. (**2002**). Prevalence of sarcoptic mange status in pigs in smallholder herds in a peri-urban area in Central Kenyan highlands.
Bulletin of Animal Health and Production in Africa, 50:9-14.

58. Ndegwa E.N., **Mulei C .M.** and Munyua S.J.M. (2002). Prevalence of various microbial organisms isolated from dairy goat milk samples in central Kenya highlands.
The Kenya Veterinarian, 25: 9-11(2002).
57. Ndegwa, E.N., **Mulei, C.M.** and Munyua, S.J.M. (2001). Risk Factors Associated with Subclinical Sub-acute Mastitis in Dairy Goats in Central Kenya.
Israel Journal of Veterinary Medicine, 56 (1): 4-8 (2001).
56. Ngatia, T.A., **Mulei, C.M.**, Gathumbi, P.K. and Wabacha, J.K. (2001). Oedema disease of Swine. A toxemia or an infection?
Bulletin of Animal Health and Production in Africa, 49:292-298 (2001).
55. Ndegwa, E.N., **Mulei, C.M.** and Munyua, S.J.M. (2001) Prevalence of micro-organisms associated with udder infections in dairy goats on small-scale in Kenya.
Journal of South African Veterinary Association, 72(2): 97-98(2001).
54. Wabacha J.K., **Mulei C.M.** Maribei J.M. and Kyule M.N. (2001) Farm demographics and pig management practices of smallholder pig farms in Kikuyu division, Kiambu district.
The Kenya Veterinarian, 21:72-75 53(2001).

53. Wabacha J.K. **Mulei C.M.** Maribei J.M. and Mbithi P.M.F. (2001). Occurrence of clinical dermatophilosis in zero-grazed dairy cattle.
The Kenya Veterinarian, 21:43-44(2001).
52. **Mulei, C.M.**, Ngatia T..A. and Wabacha J.K. (2001). Epidemiological, clinical and pathological findings of oedema disease of swine in Kenya.
The Kenya Veterinarian, 21:79-81(2001).
51. **Mulei, C.M.**, Wabacha, J.K, and Mbithi, P.M.F. (2001) Short term economic impact of Foot and Mouth Disease outbreak in a large dairy farm in Kiambu district, Kenya.
The Kenya Veterinarian, 21:76-78(2001).
50. **Mulei, C.M.** (2000). Micro organisms associated with non-functional mammary gland quarters in small scale dairy farms in Kenya.
Indian Journal Animal Science, 70(9) 897-898 (2000).
49. Wabacha, J.K. and **Mulei C.M.** (2000). The economic impact of progressive atrophic rhinitis in grower-finisher pigs in Kenya.
Bulletin of Animal Health and Production in Africa, 48:189-191(2000).
48. **Mulei, C.M.**, Gathumbi, P.K. and Mbuthia, P.G. (2000). Suspected sheep associated malignant catarrhal fever in a zero-grazed dairy herd in Kenya.
Onderstepoort Journal of Veterinary Research, 67:43-47(2000).

47. Wandera, J.G. Kamau, J.A. Ngatia, T.A. Wamukoya, J.P.O. and **Mulei, C.M.** (2000). Bovine lymphosarcoma in Kenya.
The Kenya Veterinarian, 20:67-69(2000).
46. Ndegwa, E.N., **Mulei, C.M.** and Munyua, S.J.M. (2000). The prevalence of subclinical mastitis in dairy goats in Kenya.
Journal of South African Veterinary Association, 71 (1):25-27(2000).
45. **Mulei, C.M.** and Ngatia, T.A. (1999). An unusual presentation of a suspected oedema disease of Swine in Kenya.
Journal of South African Veterinary Association, 70 (2): 100-101(1999).
44. **Mulei, C.M.** (1999) Teat lesions and their relationship to intramammary infections in small scale dairy farms in Kenya.
Journal of South African Veterinary Association, 70 (4):156-157(1999).
43. **Mulei, C.M.,** Gitau, G.K. and Mbuthia, P.G. (1995). Causes of calf mortality in Kabete area of Kiambu District of Kenya.
Onderstepoort Journal of Veterinary Research, 62: 181-185(1995).
42. Mbuthia, P.G., Kariuki, D.I. and **Mulei, C.M.** (1994). Generalized Demodicosis in a zero-grazed Friesian heifer.
Veterinary Parasitology, 51: 337-343(1994).
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and their implication in therapy of uterine infections in Kenya.

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- 34.** Maina, A. K. and **Mulei, C.M. (1993).** The prevalence of udder and teat lesions in dairy cows in Kenya.
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- 33.** Mbuthia, P.G., Runyenje, P.E.N., Ngatia, T.A. and **Mulei, C.M. (1992).** Occurrence of poultry chemical poisoning in Kenya.
Bulletin of Animal Health and Production in Africa, 41: 45-50(1992).
- 32.** **Mulei, C.M. (1992).** Plasma biochemical changes associated with magnesium administration in hypomagnesaemic and normomagnesaemic calves.
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- 31.** **Mulei, C.M. (1991).** Changes in blood chemistry in late pregnancy and early lactation and their relationship to milk production in dairy cows.
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New Zealand Society of Animal Production, 50: 261-263.
25. **Mulei, C.M.** (1990). Blood chemistry changes during starvation and their possible relationship with growth rate in dairy heifers.
Bulletin of Animal Health and Production in Africa, 38: 331-334.
24. **Mulei, C.M.** (1990). Micro-organisms associated with clinical mastitis in dairy cows in Kiambu District of Kenya.
Bulletin of Animal Health and Production in Africa, 38: 331-334.
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Veterinary Research Communication, 14:63-70(1990).

21. **Mulei, C.M.** and Daniel, R.C.W. (1989). The effects of herd of origin on blood component concentration changes of dairy cows during late pregnancy and lactation.

Indian Journal of Animal Science, 59: 175-177(1989).

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Australian Veterinary Journal, 66: 227-228(1989).
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15. **Mulei, C.M.** and Rege, J.E.O. (1989). An examination of the incidences of East Coast Fever (ECF), anaplasmosis and babesiosis in the bovine in Kabete area of Kiambu District of Kenya.
Bulletin of Animal Health and Production in Africa, 37: 213-216(1989).
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Bulletin of Animal Health and Production in Africa, 37: 319-326(1989).
13. **Mulei, C.M.**, Munyua, S.J.M., Kiptoon, J.C. and Kariuki, D.I. (1989). Some aetiological and epidemiological observations of infectious keratoconjunctivitis in the bovine in Kabete area of Kiambu District, Kenya.
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Indian Journal of Dairy Science, 41: 53-56(1988).

8. **Mulei, C.M. and Munyua, S.J.M. (1988).** Urea poisoning in a commercial Jersey Herd.

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Research Veterinary Communication, 12: 457-461(1988).

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subsequent fertility in dairy cows.

Acta Veterinarian (Beograd). 38: 107-112(1988).

5. **Mulei, C.M., and Daniel, R.C.W. (1988).** The association of plasma magnesium concentration and the thyroid gland activity in young calves.
Veterinary Medicine Journal, 35:516-621(1988).
4. **Mulei, C.M., and Daniel, R.C.W. (1988).** Effect of age on erythrocyte magnesium, sodium and potassium concentrations in female dairy cattle.
Research Veterinary Communication, 12: 113-118(1988).
3. **Mulei, C.M., and Daniel, R.C.W., (1988).** The relationship between total and differential leukocyte changes in early lactation and milk production in dairy cows.
Indian Journal Animal Science, 58: 347-349(1988).
2. **Mulei, C.M., and Daniel, R.C.W., (1988).** The effect of induced hypomagnesaemia on erythrocyte magnesium concentration in cattle.
Research Veterinary Communication, 12: 289-293(1988).
1. **Mulei, C.M., Daniel, R.C.W. and Green, D. (1988).** Changes in erythrocyte Mg, Na and K concentrations in late pregnancy and early lactation and their relationship with subsequent fertility and milk production in dairy cows.
Journal of Veterinary Medicine, 35: 522-528(1988).

9.3.2. SCIENTIFIC MANUSCRIPTS SUBMITTED IN PEER REVIEWED JOURNALS

These are papers that have been submitted to peer-reviewed journals for publication

1. Situma SN, Gitau GK, Vanleeuwen J and **Mulei CM**.
Clinical trial examining the effects of two calf feeding practices on calf growth and health on smallholder dairy farms in Mukurweini District, Nyeri County, Kenya.
Veterinary Science and Animal Husbandry (Accepted).
2. Makau DN, Aleri JW, **Mulei CM**, and Mutembe HM.
Prevalence of intestinal helminths in stray dogs in slums in Nairobi, Kenya.
Journal of Veterinary Medicine and Animal Health.
3. Shepelo¹, G.P., Gitau¹, G.K., **Mulei¹**, C.M., Vanleeuwen², and J.A., Shauna²,
Prevalence of cryptosporidiosis, coccidiosis, giardiasis and strongyloidosis in smallholder dairy farms in Mukurwe-ini District, Nyeri County, Kenya.
Veterinary World.
4. Shepelo¹, G.P., Gitau¹, G.K., **Mulei¹**, **C.M.**, Vanleeuwen², and J.A., Shauna². Risk factors associated with coccidiosis, cryptosporidiosis, strongyloidosis and diarrhea in smallholder dairy farms in Mukurwe-ini District, Nyeri County, Kenya.
Veterinary World.

5. Epidural Lidocaine and Medetomidine-Ketamine Anaesthesia; an alternative technique for management of femoral fracture in domestic cat.

Journal of Veterinary Medicine and Animal Health (Accepted)

6. Mbindyo SN, Gitau GK, **Mulei CM** and Mbugua SW. Causes associated with disease morbidity and mortality of adult dogs in kennels with Nairobi county and its environs.

Journal of Small Animal Practice

9.3.3. PAPERS PRESENTED IN SCIENTIFIC CONFERENCES

1. **C.M. Mulei (1986)**. The incidence of East Coast Fever (ECF), anaplasmosis and babesiosis in Kabete area of Kiambu District of Kenya.
TVA- Scientific Conference, Arusha, Tanzania, Dec. 1986.
2. **C.M. Mulei, (1986)**. Plant poisoning in cattle in Kenya.
KVA- Scientific Conference, Kericho, Sept. 1986.
3. **C.M. Mulei, (1987)**. Changes in blood chemistry of dairy cows in late pregnancy and early lactation and their subsequent relationship to fertility.
APSK- Scientific Conference, Kabete, Dec. 1987.
4. **C.M. Mulei, (1988)**. Variation in blood chemistry responses to starvation and

possible relationship with growth rate in dairy heifers.

APSK - Regional Scientific conference, Nov. 23-25, Nairobi, Kenya. 1988.

5. **C.M. Mulei, (1989)**. Infectious diseases of the urinary tract of farm animals.
KVA Scientific meeting on urology at Egerton University from 2nd to 3rd February, 1989.
6. **C.M. Mulei, (1989)**. Isolation and drug sensitivity of micro-organisms causing bovine mastitis around Kabete.
Faculty of Veterinary Medicine Annual Scientific Conference, 20-22 Sept. 1989.
7. Njenga, M. and **C.M. Mulei (1992)**. Ostrich (*Struthio camelus*) farming in Namibia,
KVA - Scientific Conference, Kabete, July 1992.
8. **Mulei, C.M. (1998)**. Respiratory diseases of livestock. A paper presented at **Kenya Veterinary Association scientific meeting** held on 3rd to 5th March 1998 at Kitui Town.
9. **Mulei C.M. (1998)**. Water borne diseases of livestock in Kenya.
Kenya Veterinary Association scientific meeting held on 3rd to 5th March 1998 at Kitui Town.
10. Ndegwa, E.N., Munyua, S.J.M. and **Mulei, C.M. (1999)**. Prevalence of

various microbial isolates isolated from dairy goat milk samples in central Kenya highlands.

Commonwealth Veterinary Association/KVA scientific Conference held at KARI headquarters on 14th to 16th April **1999**, Nairobi, Kenya.

11. **Mulei, C.M**, Ngatia T..A. and Wabacha J.K. (**2000**). Epidemiological, clinical and pathological findings of oedema disease of swine in Kenya.
Kenya Veterinary Association scientific Conference held on 26th to 28th April 2000 in Mombasa.
12. Wabacha J.K, **Mulei C.M** and Maribei J.M. (**2000**). Demographics of smallholder pig farms in Kikuyu division, Kiambu district.
Kenya Veterinary Association scientific Conference held on 26th to 28th April 2000 in Mombasa.
13. Wabacha, J.K., **Mulei, C.M.** Njoroge, E.N. and Maribei, J.M. (**2000**). Occurrence of Dermatophilosis in zero-grazed dairy cattle.
Kenya Veterinary Association scientific Conference held on 26th to 28th April 2000 in Mombasa.
14. Wabacha, J.K., **Mulei, C.M.**, Maribei, J.M. and Mbithi, P.M.F. (**2000**). An outbreak of atrophic rhinitis in a medium scale pig farm in Kiambu district.
Kenya Veterinary Association scientific Conference held on 26th to 28th April 2000 in Mombasa.

15. **Mulei, C.M.** and Wabacha, J.K. (**2000**). Some epidemiological observations of Foot and Mouth Disease following an outbreak in large dairy farm. **Biennial Scientific conference of the Faculty of Veterinary Medicine.** Held in Kabete 30th - 31st August, 2000.
16. Wabacha, J.K., **Mulei, C.M.** Maribei, J.M., Kyule, M.N. Kosura, A.W. and Weda, E.W. (**2000**). Evaluation of sarcoptic mange status in pigs in smallholder farms in Kikuyu Division, Kiambu district. **Biennial Scientific conference of the Faculty of Veterinary Medicine.** Held in Kabete 30th - 31st August, 2000.
17. **Mulei, C.M.** (**2000**). Bacterial organisms associated with infection and loss of mammary gland quarters in smallholder dairy herds in Kiambu district, Kenya. **Biennial Scientific conference of the Faculty of Veterinary Medicine.** Held in Kabete 30th -31st August, 2000.
18. Wabacha, J.K., **Mulei, C.M.**, Kyule, M.N. Zessin, K.H., Munyua, W.K., Mbithi, P.M.F. and Maribei, J.M. (**2002**). Helminthosis in pigs in smallholder herds in a peri-urban area in central Kenyan highlands. **Kenya Veterinary Association scientific Conference** held on 24th - 25th April 2002 in Kakamega.
19. **Mulei, C. M.**, Wabacha, J.K., Maribei, J. M., Kyule, M. N. Zessin, K.H. and Oluoch-Kosura, W. (**2002**). Piglet morbidity and mortality on smallholder herds in Kikuyu division district, Kiambu, Kenya.

Biennial Scientific conference of the Faculty of Veterinary Medicine. Held in Kabete 7th - 9th August, 2002.

20. Wabacha, J.K. Mulei, C.M., Maribei, J.M., Kyule, M. N. Zessin, K.H. and Oluoch-Kosura, W. (**2002**). Sow reproductive performance in smallholder herds in Kikuyu division, Kiambu district, Kenya.

Biennial Scientific conference of the Faculty of Veterinary Medicine. Held in Kabete 7th - 9th August, 2002.

21. Kitaa, J.M.A., Mulei, C.M., Mande, J.D. and Wabacha J.K. (**2005**). Clinical, laboratory diagnosis and treatment of Ehrlichial infections: Dogs. A review.

Biennial Scientific conference of the Faculty of Veterinary Medicine. Held in Kabete August, 2005.

22. Gakuya, D.W. and Mulei, C.M. (**2005**). An investigation of the incidences of East Coast Fever (ECF), Anaplasmosis and Babesiosis in the bovine cases managed by ambulatory services of the Faculty of Veterinary Medicine, Kabete.

Biennial Scientific conference of the Faculty of Veterinary Medicine. Held in Kabete August, 2005.

23. Aboum T.O. and Mulei C.M. (**2009**). Prevalence of Canine Demodicosis in the Small Animal Clinic, University of Nairobi, Kabete.

Kenya Veterinary Association scientific Conference held in April 2009 in Nyeri.

24. Aleri J.W., Kipyegon A.N. Mande J.D. **Mulei C.M.** and Karanja D.N. (2010). Acute respiratory distress syndrome due to Babesiosis in a dog.
Biennial Scientific conference of the Faculty of Veterinary Medicine. Held in Kabete, September 2010.
25. Gitau G.K. Aleri J.W. Mbuthia P.G. and **Mulei C.M.** (2010). Major causes of calf mortality in Peri-urban areas of Nairobi.
Biennial Scientific conference of the Faculty of Veterinary Medicine. Held in Kabete, September 2010.
26. Aleri J.W. Mutembei H.M. **Mulei C.M.** Mbugua S.W. and Gakombe J.W. (2010). A retrospective Study of Reproductive Conditions in Bitches in Nairobi.
Biennial Scientific conference of the Faculty of Veterinary Medicine. Held in Kabete, September 2010.
27. Muraya J.N., Aleri J.W, Mutembei H.M. and **Mulei C.M.** (2011). Rabies and population control of Dogs and Cats in Nairobi Slums.
Rabies Workshop held on 26th September in Machakos, 2011
28. Aleri J.W., Abuom, T.O., Kitaa J.M.A., Kipyegon A.M. and **Mulei, C.M.** (2011). An overview of Rabbit conditions presented to the small Animal clinic, University of Nairobi, Kenya.

Kenya Veterinary Association Annual Scientific Conference. Held on 27-29 April, 2011 in Kisumu Hotel, Kisumu, Kenya.

29. Aleri J.W., Nguhiu Mwangi J., Mogo, E.M. and **Mulei C.M. (2011).**
Risk Factors associated with body injuries and poor welfare in cattle within smallholder units in periurban areas of Nairobi, Kenya.
Kenya Veterinary Association Annual Scientific Conference. Held on 27-29 April, 2011 in Kisumu Hotel, Kisumu, Kenya.

30. Aleri J.W., Nguhiu, J.M. Mogo, E.M. and **Mulei C.M. (2012).**
Challenges in the smallholder (zero-grazing) production Systems of Nairobi and its environs. A welfare perspective.
8th Biennial Scientific Conference and 46th Kenya Veterinary Association Annual Scientific Conference. Held on 25-27 April, 2012, at Safari Park Hotel, Nairobi, Kenya.

31. Mutembei H.M. and **Mulei C.M. (2012).** Combating Animal disaster through Veterinary response unit. A University of Nairobi initiative.
8th Biennial Scientific Conference and 46th Kenya Veterinary Association Annual Scientific Conference. Held on 25-27 April, 2012, at Safari Park Hotel, Nairobi, Kenya.

32. Kitaa J.M.A, **Mulei C.M,** Wabacha J.K. and mande J.D **(2013).** A retrospective study of clinical presentation of canine ehrlichiosis in the small animal clinic of the University of Nairobi.

Kenya Veterinary Association Annual Scientific Conference, Whitesands Hotel, Mombasa, 24-26 April 2013.

33. Makau D.N., Mulei C.M., Aleri J.W. and Mutembei H.M. (2013). Prevalence of gastrointestinal helminthes in stay dogs in slum areas of Nairobi.

Kenya Veterinary Association Annual Scientific Conference, Whitesands Hotel, Mombasa, 24-26 April 2013.

34. Bundi R.M., Gitau G.K., Vanleeuwen J. and Mulei C.M. (2013). The application of Petrifilms for diagnosis of Bovine mastitis in Kenya.

Kenya Veterinary Association Annual Scientific Conference, Whitesands Hotel, Mombasa, 24-26 April 2013.

35. Kirui G., Thaiya A.G. and Mulei C.M. (2013). A review of public health risks and economic losses due to illegal donkey meat trade in Kenya.

Kenya Veterinary Association Annual Scientific Conference, Whitesands Hotel, Mombasa, 24-26 April 2013.

36. Mutembei H, Muraya J. and Mulei .C.M. (2013). Rabies and population control of strays dogs and cats in Nairobi slum areas.

One Health Central and Eastern Africa (OHCEA), 1st International One health Conference, 23-26 September 2013, Hilton Hotel, Addis Ababa, Ethiopia.

37. Muthee J.K, Gakuya D.W, Mbaria J.M, Kareu P.G, Mulei C.M. and Njonge F.K. (2013). Ethnobotanical study of anthelmintic and other medicinal plants

traditionally used in Loitoktok district of Kenya.

One Health Central and Eastern Africa (OHCEA), 1st International One health Conference, 23-26 September 2013, Hilton Hotel, Addis Ababa, Ethiopia.

38. Kirui G, Thaiyah A.G. and **Mulei C.M. (2013)**. Animal-related injuries to veterinarians working in different sectors in Kenya.

One Health Central and Eastern Africa (OHCEA), 1st International One health Conference, 23-26 September 2013, Hilton Hotel, Addis Ababa, Ethiopia.

39. Makau D, Thaiyah A.G. and **Mulei C.M. (2013)**. Role of beef 'industry' in one health.

One Health Central and Eastern Africa (OHCEA), 1st International One health Conference, 23-26 September 2013, Hilton Hotel, Addis Ababa, Ethiopia.

40. Kitaa JMA, **Mulei CM**, Mande JD and Wabacha, J. (2014). Ehrlichia chaffeensis infection in Kenyan dogs.

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

41. Kirui G, Thaiyah AG, **Mulei CM**, Nguhiu JM, and Mogoa EM (2014). The challenge of animal related injuries to veterinarians in Kenya.

- 48th Annual Kenya Veterinary Association scientific conference, Boma Inn, Eldoret, Uasin Gishu County, April 23-25, 2014.**
42. Kimeli P, Kirui G, Mwanhi WE, Kipyegon AN, Juma P, Mulei CM. (2014). Needlestick and sharps (NS) injuries among final year Bachelor of Veterinary Medicine students at the University of Nairobi.
- 48th Annual Kenya Veterinary Association scientific conference, Boma Inn, Eldoret, Uasin Gishu County, April 23-25, 2014.**
43. Muthee JK, Gakuya DW, Mbaria JM, **Mulei CM**, Mugambi JM and Nganga JC. (2014). Evaluation of anthelmintic efficacy of selected medicinal plants traditionally used in Loitoktok district.
- 48th Annual Kenya Veterinary Association scientific conference, Boma Inn, Eldoret, Uasin Gishu County, April 23-25, 2014.**
44. Thuo JKN, Aleri JW, Kitaa JMA and **Mulei CM**. (2014). Seasonality and occurrence of canine babesiosis in Nairobi and its environs in changing climatic patterns.
- 48th Annual Kenya Veterinary Association scientific conference, Boma Inn, Eldoret, Uasin Gishu County, April 23-25, 2014.**
45. Muthee JK, Gakuya DW, Mbaria JM, Mulei CM, Mugambi JM and Nganga JC (2014). The evaluation of anthelmintic efficacy of selected medicinal plants traditionally used in Loitoktok, Kenya.
- Biennial Scientific conference of the Faculty of Veterinary Medicine.**

Kabete, September 3rd -5th , 2014.

46. Shepelo GP, Gitau, GK, Mulei CM, Vanleeuwen JA, Richards S, Wichtel J, Uehlinger F. and Mainga OA (2015). Prevalence of protozoa and helminth pathogens in calves in smallholder dairy farms in Mukurwe-ini Sub-County, Nyeri County Kenya.
49th Annual Kenya Veterinary Association Scientific Conference, Hotel Itoya, Busia County, April 22-24, 2015.
47. Muhee, JM, Gakuya DW, Mbaria JM and **Mulei CM** (2015). Phyto-chemistry and cytotoxicity of plants used as anthelmintics in Loitoktoc Sub-County Kenya.
49th Annual Kenya Veterinary Association Scientific Conference, Hotel Itoya, Busia County, April 22-24, 2015.

10.0. CONFERENCES/WORKSHOPS/SEMINARS ATTENDED

1. Tanzanian Veterinary Association Scientific Conference, held in Arusha, Tanzania, Dec. 1986.
2. Kenya Veterinary Association Scientific meeting on animal poisoning, held in Kericho, Sept. 1986.

3. Animal Production Society of Kenya - Regional Scientific conference, Nov. 23-25, Nairobi, Kenya. 1988.
4. Biennial Scientific conference of the Faculty of Veterinary Medicine. University of Nairobi, Kabete 20-22 Sept. 1988.
5. Kenya Veterinary Association Scientific meeting on urology at Egerton University from 2nd to 3rd February, 1989.
6. Kenya Veterinary Association Annual Scientific Conference, Kabete, April 1990.
7. Tanzanian Veterinary Association Scientific Conference, held in Arusha, Tanzania, Dec. 1990.
8. Kenya Veterinary Association Annual Scientific Conference held in Kabete, July 1992.
9. Tanzanian Veterinary Association Scientific Conference, held in Arusha, Tanzania, December, 1994.
10. Kenya Veterinary Association Annual Scientific Conference held on 3rd to 5th March 1998 at Kitui Town.
11. Biennial Scientific conference of the Faculty of Veterinary Medicine, University of Nairobi, Kabete 5th -7th August, 1998.

12. Regional training program for Tuberculosis and Contagious Bovine Pleuropneumonia, Sokoine University of Agriculture, Tanzania, March 1998.
13. Commonwealth Veterinary Association/Kenya Veterinary Association Annual Scientific Conference held at KARI headquarters on 14th to 16th April **1999**, Nairobi, Kenya.
14. University of Nairobi, Department of Clinical Studies Seminars, 1992 -2014
15. Kenya Veterinary Association Annual Scientific Conference held on 26th to 28th April 2000 in Mombasa.
16. Biennial Scientific conference of the Faculty of Veterinary Medicine. Held in Kabete 30th -31st August, 2000.
17. Biennial Scientific conference of the Faculty of Veterinary Medicine. Held in Kabete 7th - 9th August, 2002.
18. 4th Biennial Scientific conference of the Faculty of Veterinary Medicine. Held in Kabete, November, 2004.
19. Kenya Veterinary Association Annual Scientific Conference, National Museum of Kenya, April 2005.

20. Faculty of Veterinary Medicine, University of Nairobi, *Curriculum review workshop*, 26th – 28th August **2005**, Kenya Wildlife Service Training Institute, Naivasha, Kenya.
21. 5th Biennial Scientific conference of the Faculty of Veterinary Medicine. Held in Kabete August, 2006.
22. Stakeholders workshop on the Implementation of Animal Welfare Training in the Faculty of Veterinary medicine, 25th – 30th November **2007**, Kabete, University of Nairobi.
23. A seminar on *Pedagogy*, University of Nairobi, 23rd -25th June, **2008**, Central Catering Unit, Nairobi, Kenya.
24. 6th Biennial Scientific conference of the Faculty of Veterinary Medicine. Held in Kabete, September 2008
25. Kenya Veterinary Association Annual Scientific Conference held in April **2009** in Nyeri.
26. Faculty team building workshop; *Performance Enhancement Strategies*. University of Nairobi. 31st January 2009, Central Catering Unit, Nairobi, Kenya.
27. 7th Biennial Scientific conference of the Faculty of Veterinary Medicine. Held

- in Kabete, September 2010.
28. Workshop on Strategies for Promotion of good Animal welfare in Kenya. 28th -29th October, 2010. Agricultural Information Resource Centre. Nairobi.
 29. Rabies and population control of Dogs and Cats in Nairobi Slums. Rabies Workshop held on 26th September in Machakos, 2011
 30. 45th Kenya Veterinary Association Annual Scientific Conference. Held on 27-29 April, 2011 in Kisumu Hotel, Kisumu, Kenya.
 31. Workshop on Performance Enhancement, 28th -29th July 2012. Kabete, Empowerment Resource Technologies Ltd and University of Nairobi.
 32. 8th Biennial Scientific Conference and 46th Kenya Veterinary Association Annual Scientific Conference. Held on 25-27 April, 2012, at Safari Park Hotel, Nairobi, Kenya.
 33. 47th annual Kenya Veterinary Association scientific conference, Whitesands Hotel, Mombasa, 24-26 April 2013.
 34. One Health Central and Eastern Africa (OHCEA) 1st International One health Conference, 23-26 September 2013, Hilton Hotel, Addis Ababa, Ethiopia.
 35. OIE Global Conference on Veterinary Education and the Role of the

Veterinary Statutory Body. Foz do Iguazu, Brazil. December 4-6, 2013.

36. 48th Annual Kenya Veterinary Association Scientific Conference, Boma Inn, Eldoret, Uasin Gishu County, April 23-25, 2014.
37. International Scientific Conference on Integrated disease management network. Imperial Royale Hotel, Kampala. July 3rd – 4th, 2014
38. 8th Biennial Scientific conference of the Faculty of Veterinary Medicine, University of Nairobi, Kabete 3rd - 5th September, 2014.

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2. Prof. G.M.O. Maloiy - 0722362183
3. Prof. T.M. Waema - 0722517323

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