

CURRICULUM VITAE

PROF. JAMES NGUHIU-MWANGI, BVM, MSc, PhD

GENDER	Male
NATIONALITY	Kenyan
DATE OF BIRTH	June 25, 1955
MARITAL STATUS	Married
CHILDREN	Three
RELIGION	Christian
HOME ADDRESS	P.O Box 76033, Code:00508 Yaya NAIROBI KENYA
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POSTGRADUATE EDUCATION	2007 Doctor of Philosophy (PhD) University of Nairobi <i>“Characteristics of laminitis and associated claw lesions in dairy cows in Nairobi and its environs”</i>
POSTGRADUATE	

EDUCATION	1985	Master of Science (MSc) in Clinical Studies University of Nairobi <i>"Detailed pathophysiologic studies of intestinal obstruction in goats"</i>
UNDERGRADUATE EDUCATION	1981	Bachelor of Veterinary Medicine (BVM) University of Nairobi
ADVANCED SECONDARY EDUCATION	1976	Kianyaga High School East Africa Advanced Certificate of Education (EAACE)
BASIC SECONDARY EDUCATION	1974	Kipkabus Secondary School East Africa Certificate of Education (EACE)
PRIMARY EDUCATION	1970	Waunifor Primary School Kenya Certificate of Primary Education (KCPE)
PROFESSIONAL BODY MEMBERSHIP	I am a registered member of the Kenya Veterinary Board (KVB) as a Veterinary Surgeon. Registration Number: KVB 525 . Paid-up valid 2016.	
PROFESSIONAL ASSOCIATION MEMBERSHIP	I am a registered member of the Kenya Veterinary Association (KVA) . Registration Number: KVA 0915 . Paid-up valid 2016.	
PRESENT DESIGNATION	From 20 th March, 2012: Senior Lecturer, Veterinary Surgery	
ADMINISTRATIVE RESPONSIBILITIES AND EXPERIENCE	<p style="text-align: center;">Head of Department</p> <p>Chairman, Department of Clinical Studies From January 4, 2019 to January 3, 2022.</p> <ul style="list-style-type: none"> • Head of all programs in the department • Administrative head in the department • Animal hospital management • Member of University of Nairobi Senate • Senate representative in the Examination Appeal's 	

Head of Surgery Section:

I have been head of surgery section for two terms. First term in the late 1990s. Second term from 2013 to January 31st 2019.

As head of section my duties are:

- To be an active member of the Department of Clinical Studies “Heads of Sections” meeting.
- To coordinate 9 academic members of surgery section who include a full Professor, Associate Professors, Senior Lecturer, Tutorial Fellow and Clinicians on running of academic programs for undergraduates and postgraduates, which include teaching, practical sessions and examinations, as well as operating clinical surgery rotations.
- To prepare teaching schedules for 3rd, 4th, 5th and postgraduate Surgery Units.
- To coordinate delivery of all the scheduled lectures and practical sessions for these units, in order to ensure that they are fully covered within the allowed time-line.
- To prepare examination invigilation schedules for theory examinations, schedules for oral and practical examinations for surgery section and to coordinate their implementation.
- To compute the examination results for all Surgery units after the scripts for continuous assessment tests (CATs) and University examinations are marks by the members of the section.
- Facilitation of the External Examiners who are assigned to the section, in carrying out their duties of moderating and evaluating the section’s examination standards and academic performance.
- Chairing of the Surgery Section academic meetings, which includes discussing and implementing the external examiners’ reports from time to time.
- Spearheading and guiding Surgery Curriculum review for undergraduates and postgraduates.
- Guiding of drawing new academic curricula for postgraduates, particularly now for PhD in Veterinary Surgery.

Coordinator of Undergraduate Projects and Field Attachment:

2010-2013: I was the coordinator for undergraduate veterinary student projects and field attachment. As the coordinator for these, my responsibilities were:

- To be an active member of the Faculty of Veterinary Medicine “Projects and Field Attachments Committee.”
- To guide the students on the choice of projects and supervisors
- To listen to any student who had problems and advise them on what to do or which professor/lecturer to go to for help.
- To follow with the supervisors in order to ensure that project reports were submitted on time.
- To liaise with the Chairman of the Department in identifying the suitable academic members of staff to mark the project reports.
- To guide the students in selecting the appropriate and most useful places for field attachment.
- To get in touch with the Veterinarian Supervisors in those places of attachment in order to ensure that the students benefited with the right skills and demonstrations relevant to their course and future profession.
- To coordinate the academic members of staff for supervision of the students in attachment stations.
- Computing of all the projects and attachment marks.

2001-2013 **Coordinator Medical Imaging Course**

- I coordinated the teaching of Medical Imaging course for BSc in Biomedical Technology (BT) in which my duties were:
- To make teaching and practical schedules for radiography and ultrasonography
- To compute the examination results after marking.
- To organize and participate in hospital visits for the students to see radiography, ultrasonography, MRI and CT scan equipment and see how they work and the procedures followed in imaging patients.
- To coordinate the academic staff teaching the course.

Acting Chairman of Department:

- I have been assigned the duty of being an Acting Chairman of the Department of Clinical Studies from time to time by the past four substantive Chairmen of the department, with the approval of the incumbent Vice Chancellors at each particular time.

WORK EXPERIENCE

TEACHING EXPERIENCE:

1981-2017: I have continuously taught in the University of Nairobi, Faculty of Veterinary Medicine, Department of Clinical Studies. During this period, my teaching duties have been and continue to be:

- Teaching of Veterinary Surgery to the undergraduates, which includes delivering of lectures in class, conducting scheduled clinical practicals and surgeries referred to as “Operative Surgery” procedures (OPS) and conducting tutorials for small groups of students.
- Teaching of the undergraduate students by doing Clinical Rotation duties in which I perform surgeries on clinical cases of animals referred to the Animal Clinic in the Department of Clinical Studies. The students learn by observing these surgeries as well as participating as assistant surgeons.
- Teaching of coursework for students pursuing Master of Veterinary Surgery.
- Supervising postgraduate students in surgery as they carry out surgical operations of simple procedures and performing the surgical operations with them for the difficult procedures.
- Conducting and marking undergraduate and postgraduate examinations in Surgery.

Clinical Experience and Income Generation:

1981-2017: I have practiced and continue to practice Clinical Surgery as part of my duties within the operations of the Animal Clinic in the Department of Clinical Studies. This has earned me great experiential skills in surgery and diagnosis of large animal surgical conditions, as well as authoritative professional confidence when teaching students on these conditions. During this practice, my duties have included:

- Performing surgeries on Large Animal patients referred to the clinic as a means of teaching and raising income for the University of Nairobi.
- Carrying out diagnostic radiography procedures as part of teaching and support of diagnostics for the clinical services of the department.
- Providing expert surgical professional opinion to the

veterinary practitioners who either refer animal patient cases to the University Clinic or seek surgery-related advice.

Teaching Experience in Other Universities:

2009-2016: Part-time Lecturer at Kenyatta University for BSc in Animal Health, which includes teaching and examining.

2009-2015: Part-time Lecturer at Jomo Kenyatta University of Agriculture and Technology for BSc in Animal Health and for BSc in Medical Laboratory Sciences, which included teaching and examining.

2014: Invited and participated in curriculum review for BSc in Medical Laboratory Sciences, Jomo Kenyatta University of Agriculture and Technology.

MENTORSHIP

- I have continually mentored students throughout my working period by closely interacting with them. My office is frequented by students almost daily. They share issues in their lives for which they need advice both personal, academic and professional. This is one area in my life that makes me feel fulfilled after helping them solve some issues in their life, giving them hope and advising them how to deal with real life issues. Helping them choose certain paths and disciplines within the profession, including the choice of pursuing postgraduate education.
- Member of the college Mentorship Committee 2016.

RESEARCH ACTIVITIES

Research Subjects and Titles:

The research activities that I have been involved in are Animal Surgery-and-Animal Welfare-related subjects.

Completed Research Activities:

1. 2014-2016: Investigation on the rumen structural and physiological changes in sheep impacted with plastic bags in the rumen. *The research was supported by funds from A.G. Leventis Foundation from the University of Ghana.* The project has supported a *PhD candidate under TRECCA AFRICA scholarship.*
2. 2012-2015: Investigation on the prevalence of plastic

bags in the rumen of sheep and goats in Kenya, with an experimental component to evaluate the pathophysiological effects of the presence of these indigestible foreign material in the rumen. ***The research was supported by funds from A.G. Leventis Foundation from the University of Ghana.*** The project supported a ***PhD candidate under TRECCA AFRICA scholarship.***

3. 2013-2016: Investigation on the prevalence of orthopaedic limb conditions in racehorses in Kenya and their radiographic features and outcomes. This project has been carried out ***under the support and collaboration with the Jockey Club of Kenya.*** The project has resulted in ***Master of Veterinary Surgery for one candidate.***
4. 2013-2016: Investigation on equine colic prevalence, managements and outcomes in Kenya with prospective component on haematological and biochemical changes. The project has been possible through the Jockey Club of Kenya and Veterinary practitioners who deal mainly with horses. ***The project was sponsored by Andys Veterinary Clinic and resulted in Master of Veterinary Surgery for one candidate.***
5. 2011-2014: Investigation on locomotion scores and claw trimming practices in smallholder zero-grazing dairy units in Kikuyu area of Kiambu County. ***The project resulted in a Master of Veterinary Surgery for one candidate.***
6. 2010-2013: Experimental investigation on epidural anaesthesia using lidocaine, xylazine and ketamine as single drugs and as combinations in dogs. ***The project resulted in Master of Veterinary Surgery for one candidate.***
7. 2008-2011: Investigation on the status and practices of welfare of smallholder dairy cattle in the peri-urban areas of Nairobi, Kenya. ***The project resulted in a Master of Science in Clinical Studies for one candidate.***
8. 2008-2011: Investigation on the conditions causing lameness in sheep and their probable risk factors in Kajiado County, Kenya. ***The project resulted in Master of***

Science in Clinical Studies for one candidate.

9. 2007-2010: Investigation on the reproductive performance of dairy cows during the early part of the postpartum period in medium and large scale farms in Kiambu County and Nakuru County, Kenya. ***The project resulted in Master of Science in Clinical Studies for one candidate.***
10. 2005-2007: Investigation on laminitis and associated claw lesions and disorders covering prevalence, risk factors, radiographic, histopathologic and ultrastructural changes associated with these lesions in dairy cows in small holder zero-grazing units in the urban and peri-urban areas of Nairobi County, Kenya. ***Funded by the Deans' Committee, University of Nairobi. This is the project that resulted in my PhD in Clinical Studies (Surgery Discipline).***

On-going Research Activities:

1. **2014-2018:** Investigation on the hoof/foot conditions of donkeys including types of conditions, prevalence and risk factors of these conditions, haematological changes in the affected donkeys and how the effects these have on the livelihoods of dependent-communities. *Hopes of funds from Donkey Sanctuary, World Animal Protection, Brooke East Africa or Deans Committee, University of Nairobi. This project will result in one PhD degree.*
2. **2016-2018:** Experimental investigation on the use of various drug protocols for post-operative pain management, including single drug use and use of their combination. The drugs include meloxicam and butorphanol as well as their combinations. *Funded by the Deans' Committee, University of Nairobi. A PhD degree project.*
3. **2017-2019:** Investigation on limb lesions in pigs under smallholder production systems. Prevalence, risk factors, radiographic changes and pathology of the lesions will be evaluated. *Collaboration with Farmers Choice. Hoping for funds from the Deans Committee, University of Nairobi. The project will result in one PhD degree.*
4. **2016-2018:** Investigation on common wounds that occur in dogs in Nairobi County. Experimental comparison of

the effects of honey from two ecological zones on the healing of wounds and on the wound microbes. Histological analysis of the wounds treated with these honey samples will be done. ***The project will result to one PhD degree.***

5. **2016-2018:** To carry out a study on the attitudes veterinarians have on the application of aseptic procedures for surgery, the use of aseptic procedures and effects of non-use of the same. The rate of post-operative infection in designated veterinary clinics. Levels of contamination on the surfaces that come in contact with surgical field. ***This is meant to result in a Master of Veterinary Surgery for one candidate.***
6. Pending proposal for fund application: Investigation on generation and disposal of medical waste in various veterinary practices, veterinary-related laboratories and institutions. The effects and health risks on the environment, humans and animals.

Research interests:

- My research interests are broadly in Surgery specifically
- Lameness in cattle and its impact on human livelihoods,
- Animal welfare issues
- General principles of veterinary surgery particularly sutures and suture techniques,
- Medical imaging particularly radiography,
- Animal welfare,
- Effects of animal related wastes and practices on the environment.

POSTGRADUATE SUPERVISION

Completed supervision

1. **PhD Thesis (2019)** by Willie Mwangi Edwin. Title: *Effects of meloxicam, butorphanol and their combinations on post-operative pain, stress response and wound healing following ovariohysterectomy in dogs.* University of Nairobi.
2. **PhD Thesis (2016)** by Ann Nancy Mills-Thompson. Title: *Structural and morphometric changes in ruminal tissues*

and physiological effects in wethers with plastic bag-implanted rumen. University of Nairobi.

3. **PhD Thesis (2015)** by Hope Richard Otsyina. Title: *Prevalence and effects of indigestible rumen foreign bodies in shoats.* University of Nairobi.
4. **MVet. Surgery Thesis (2016)** by Mohamed Hassan Samuillah. Title: *Prevalence, Radiographic features, Management and outcomes of orthopaedic limb conditions of racehorses in Kenya.* University of Nairobi.
5. **MVet. Surgery Thesis (2016)** by Anderson Gitari. Title: *Prevalence, risk factors, pain management, treatments and outcomes of colic in horses in Nairobi County, Kenya.* University of Nairobi.
6. **MVet. Surgery Thesis (2014)** by Peter Kimeli. Title: *Locomotion Scores and associated factors in dairy cows in the smallholder zero-grazing dairy units in Kikuyu district, Kiambu County, Kenya.* University of Nairobi.
7. **MVet. Surgery Thesis (2013)** by Willie Mwangi Edwin. Title: *Evaluation of the effects of epidural lidocaine, xylazine, Ketamine and their combinations in dogs.* University of Nairobi.
8. **MSc. Thesis (2011)** by Samuel Gitau Mugo. Title: *Prevalence and risk factors of conditions causing lameness in sheep under free-range grazing systems in Kajiado district, Kenya.* University of Nairobi.
9. **MSc. Thesis (2011)** by Joshua Wafula Aleri. Title: *Welfare of dairy cattle in the smallholder (Zero-grazing) production systems in Nairobi and its environs.* University of Nairobi.
10. **MSc. Thesis (2010)** by Pauline Njoki Gitonga. Title: *Postpartum reproductive performance of dairy cows in medium and large scale farms in Kiambu and Nakuru districts of Kenya.* University of Nairobi.

On-going supervision:

1. **PhD Thesis (from 2014-2018)** Candidate: Gilbert Kipkoech Kirui. Title: *The influence of claw factors on the working efficiency of donkeys and the livelihood impact on donkey-dependent communities in Kenya*. University of Nairobi.
2. **PhD Thesis (from 2017-----)** Candidate: George Muriithi Kariuki. *Reproductive Adaptation of Indigenous Chicken (Gallus gallus domesticus) Reared under High Ambient Temperatures: Case Study of Garissa County*. Jomo Kenyatta University of Agriculture and Technology.
3. **PhD Thesis (2019----**). Paterne Safari Karume. *Developmental histomorphology of fascia transversalis and abdominal aponeurosis in domestic pig model as determinant for abdominal hernia occurrence*. University of Nairobi.
4. **PhD Thesis (2019---**). Wilkister Nakami. *Spermatogonial stem-cell mediated gene transfer in fostering production of transgenic goat as a model for genetic improvement of livestock*
5. **MSc Thesis (from 2018-----)** Candidate: Benjamin Oundo. Title: *Prevalence, characteristics, management and outcomes of wounds and surgical procedures in domestic cats in Nairobi County, Kenya*. University of Nairobi.
6. **MSc Thesis (from 2018-----)** Candidate: Wilson Kimani Kuria. Prevalence, risk factors, treatments and outcomes of urinary system conditions in cats in Nairobi County from 2008-2018.
7. **MSc Thesis (from 2018----**) Zara Mamujee

Published Books

PUBLICATIONS

1. **James Nguhiu-Mwangi**, Peter M.F. Mbithi and Paul G. Mbuthia (2015). **Book Title:** *Claw Disorders in Dairy Cows Under Smallholder Zero-grazing Units*. ISBN: 978-3-639-66879-7. Publisher: Scholar's Press, OmniScriptum Marketing DEU GmbH & Co. KG, Heinrich-Böcking-str. 6-8,

66121 Saarbrücken, Deutschland/Germany. © 2015.

2. Peter M.F. Mbithi, **James Nguhiu-Mwangi** and Charles M. Mulei (2009). **Book Title:** *Basic Principles of Veterinary Surgery*. ISBN: 9966 846 60 1. University of Nairobi Press, Nairobi, Kenya 2009. A reference textbook for veterinary students, surgery lecturers and veterinary practitioners. © 2009.

Chapters in Books

1. **J. Nguhiu-Mwangi** and P.M.F Mbithi (2019). Book Chapter titled: Macroscopic, radiographic, and histopathologic changes of claws with laminitis and laminitis-related disorders in zero-Grazed dairy cows. Published in *Veterinary Medicine and Science Volume 2. Veterinary Anatomy and physiology*. Catrin and Valentine (eds). IntechOpen, London. 2019.
2. **J. Nguhiu-Mwangi**, J W Aleri, E M Mogoia and PMF Mbithi. (2013). **Book chapter** titled: *“Indicators of poor welfare in dairy cows within smallholder zero-grazing units in the peri-urban areas of Nairobi, Kenya”*. Published in: *Insights from Veterinary Medicine*, ISBN 978-953-51-1005-7. Edited by Rita Payan-Carreira (Portugal). InTech Open Access Publishers, Janeza Trdine 9, 51000 Rijeka, Croatia. pp 49-88. Published April 2013.
3. **J. Nguhiu-Mwangi**,; Mbithi, P.M.F.; Wabacha, J.K.; Mbuthia, P.K (2012). **Book Chapter** titled: *“Risk (predisposing) factors for non-infectious claw disorders in dairy cows under varying zero-grazing systems”*. Published in: *A Bird’s Eye View of Veterinary Medicine*, ISBN 979-953-307-413-8 edited by Dr. Carlos C. Periz Marin, Spain. InTech Open Access Publishers, University Campus, Tep Ri Slavka Krautzeka 83/A 51000 Rijeka, Croatia. Published in February 2012. pp 393-422. Published February 2012.

Publications in Refereed Journals

1. Mwangi WE, Mogoia EM, **Nguhiu-Mwangi J**, Mbuthia PG,

- Mbugua SW (2018) A systematic review of analgesia practices in dogs undergoing ovariohysterectomy, *Veterinary World*, 11(12): 1725-1735.
2. Otsyina HR, **Nguihu-Mwangi J**, Mogoia EGM, Mbuthia PG and Ogara WO (2018): Knowledge, attitudes and practices of usage and effects of disposal of plastic bags on sheep and goats. *Tropical Animal Health and Production* 50 (5): 997-1003.
 3. Otsyina HR, **Nguihu-Mwangi J**, Mogoia EGM, Mbuthia PG and Ogara WO (2017): Gross and histo-pathologic findings in sheep with plastic bags in the rumen. *International Journal of Veterinary Science and Medicine* 5 (Issue 2):152-158 (2017-December)
 4. Gitari A, **Nguihu J**, Varma V, Mogoia E (2017) Occurrence, treatment protocols, and outcomes of colic in horses within Nairobi County, Kenya, *Veterinary World* 2017, 10(10): 1255-1263.
 5. Otsyina HR, **Nguihu-Mwangi J**, Mogoia EGM, Mbuthia PG and Ogara WO (2017): Effect of ruminal plastic bags on wellbeing of goats. *Bulletin of Animal Health and Production Africa* 2017, 65 (3): 439-447.
 6. Samuillah MH, Varma VS, **Nguihu-Mwangi J** and Mogoia EGM (2017): Incidence, types and outcomes of distal limb fractures of racehorses in Kenya: a retrospective study of radiographs (2005-2014). *International Journal of Veterinary Science* 2017, 6 (2): 81-85.
 7. **Nguihu-Mwangi J**, Mbithi PMF, Wabacha JK and Mbuthia PG (2017): Disorders of the claw and their association with laminitis in smallholder zero-grazed dairy cows. *International Journal of Veterinary Science* 2017, 6(2): 64-69.
 8. Ann Nancy Mills-Thompson, Jemimah Oduma, **James Nguihu-Mwangi**, Rodi Ojoo and Andrew Makanya (2017): Plasma cortisol levels as a measure of stress in rumen impaction in sheep. *Journal of Veterinary Medicine and Research* 4 (2): 1075 (2017).
 9. Otsyina HR, Nguihu-Mwangi J, Mogoia EGM, Mbuthia PG and Ogara WO (2017): Clinical manifestations in sheep with plastic bags in the rumen. *Ghana Journal of Science*

- 2017, Vol. 57:35-45.
10. Gitari AN, **Nguihu-Mwangi J**, Mogoia EM, Varma VJ, Mwangi WE, Konde AM and Rashid FK (2016): Hematological and Biochemical Changes in Horses with colic in Nairobi County, Kenya. *International Journal of Veterinary Science*, 5 (4): 250-255.
 11. Willy E. Mwangi, Eddy M. Mogoia, **James M. Nguihu** and Charles M. Mulei (2016): Epidural Xylazine-Ketamine Combination Causes Cardiopulmonary Depression but Minimizes Haematological Changes in Dogs. *International Journal of Veterinary Science. In Press*.
 12. P. Kimeli, **J. Nguihu-Mwangi** and M. E. Mogoia (2015): Prevalence of claw lesions and their association with the locomotion scores in smallholder zero-grazed dairy cows in Kikuyu District, Kenya. *Research Journal of Dairy Sciences* 9 (1-6): 6-10.
 13. H.R. Otsyina, **J. Nguihu-Mwangi**, E.G.M. Mogoia, P.G. Mbuthia, W.O. Ogara (2015): Prevalence of indigestible rumen foreign bodies in sheep and goats at Dagoretti and Kiserian abattoirs, Kenya. *International Journal of Veterinary Science*. 4 (2): 75-80.
 14. Kimeli Peter, **Nguihu-Mwangi James**, Mogoia Eddy, Onono Joshua Orungo and Serem Jared Kibiwott (2015): Effects of floor characteristics on locomotion scores in Dairy cows under smallholder zero-grazing units in Kikuyu District, Kenya. *Global Veterinaria* 14 (6): 837-841, 2015; ISSN 1992-6197
 15. Mwangi W E, Mogoia E M and **Nguihu-Mwangi J** (2015): complications associated with anaesthesia in small animal practice in Nairobi County, Kenya. *The Kenya Veterinarian* 39 (1): 27-32
 16. H.R. Otsyina, **J. Nguihu-Mwangi**, E.G.M. Mogoia, P.G. Mbuthia, W.O. Ogara (2014): A retrospective study on the prevalence of plastic materials in the rumen of sheep and goats in Nairobi, Kenya. *Bulletin of Animal Health and*

Production in Africa. 62 (3): 197-205.

17. Kimeli, P; **Nguihu-Mwangi, J**; Mogoia EM (2014): Awareness and practice of claw trimming in cows within smallholder zero-grazing dairy units in Kikuyu district, Kenya: a survey study. *International Journal of Veterinary Science* Vol 3 (3):139-141. E-ISSN: 2304-3035
18. Mwangi W.E, Mogoia E.M, **Nguihu-Mwangi J**. and Mulei C.M (2014): Effects of epidural Ketamine, Xylazine and their combination on body temperature in acepromazine-sedated dogs. *International Journal of Advanced Research*, Volume 2, Issue 4, 336-340. ISSN 2320-5407
19. Mwangi W E, Mogoia E M, **Nguihu-Mwangi J** and Mulei C M (2014): The hematological and cardiopulmonary effects of epidural xylazine, lidocaine and their combination in acepromazine sedated dogs. *International Journal of Veterinary Science* 3 (2): 46-51.
20. Aleri, J W, **Nguihu, 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.
21. Aleri J W, **Nguihu-Mwangi J**, Mogoia E M and Mulei C M (2012): Welfare of dairy cattle in the smallholder (zero-grazing) production systems in Nairobi and its environs. *Livestock Research for Rural Development. Volume 24 (9) Article #159. Published September 3, 2012*. Retrieved May 10, 2016, from <http://www.lrrd.org/lrrd24/9/aler24159.htm>
22. Aleri, J.W.; **Nguihu-Mwangi, J**.; Mogoia, E.M. (2011). Housing-design as a predisposing factor for injuries and poor welfare in cattle within smallholder units in periurban areas of Nairobi, Kenya. *Livestock Research for*

23. **Nguihu-Mwangi, J.**; Mbithi, P.M.F.; Wabacha, J.K.; Mbuthia, P.G. (2009): Prevalence of laminitis and the patterns of claw lesions in dairy cows in Nairobi and the peri-urban districts. *Bulletin of Animal Health and Production in Africa* 57 (3): 199-208
24. **Nguihu-Mwangi, J.**; Mbithi, P.M.F.; Wabacha, J.K.; Mbuthia, P.G. (2008): Retrospective study of foot conditions in dairy cows in urban and periurban areas of Kenya. *Israel Journal of Veterinary Medicine* 63 (2): 40-45.
25. **Nguihu-Mwangi, J.**; Mbithi, P.M.F.; Wabacha, J.K.; Mbuthia, P.G. (2008): Prognostic indicators and the importance of trimming in non-infective claw disorders in cattle. *The Kenya Veterinarian* 32 (1): 26-40.
26. **Nguihu-Mwangi, J.**; Mbithi, P.M.F.; Wabacha, J.K.; Mbuthia, P.G. (2008): Factors associated with the occurrence of claw disorders in dairy cows under smallholder production systems in urban and peri-urban areas of Nairobi, Kenya. *Veterinarski Arhiv* 78 (4): 343-355
27. **Nguihu-Mwangi, J.**; Mbithi, P.M.F.; Wabacha, J.K.; Mbuthia, P.G. (2007): Prevalence of sole haemorrhages and its correlation with subclinical and chronic laminitis in dairy cows. *Bulletin of Animal Health and Production in Africa* 55 (4): 232-242.
28. **Nguihu-Mwangi, J.**; Mbithi, P.M.F.; Wabacha, J.K.; Mbuthia, P.G. (2007): Radiographic features of laminitic claws of dairy cows around Nairobi. *The Kenya Veterinarian* 31 (2): 72-78.
29. **Nguihu-Mwangi, J.**; Tsigadi, S.A. (2006): Categorizing wounds to improve clinical management and prognostic outcome: a retrospective study. *The Kenya Veterinarian* 30 (2): 73-80.

30. Mogo, E.G.M.; Mbithi, P.M.F.; **Nguihu-Mwangi, J.A.**; Kihurani, D.O. (2001): Alpha-2-Adrenoceptor agonists in veterinary practice. *The Kenya Veterinary* 22: 82-89.
31. Kihurani, D.O.; Nantulya, V.M.; Mbiuki, S.M.; Mogo, E.G.M.; **Nguihu-Mwangi, J.A.**; Mbithi, P.M.F. (1994): *Trypanosome brucei, T. congolense* and *T. vivax* infections in horses on a farm in Kenya. *Tropical Animal Health and Production* 26: 95-101.
32. Mande, J.D.; Mbithi, P.M.F.; **Nguihu-Mwangi, J.A.**; Mbiuki, S.M. (1993): Cestrum poisoning in a young horse. A case report. *Bulletin of Animal Health and Production in Africa* 41(2): 139-141.
33. **Nguihu-Mwangi, J.A.**; Kihurani, D.O.; Mbithi, P.M.F.; Mbiuki, S.M.; Mogo, E.G.M. (1991): Factors used to predict prognosis and economic outcome of surgery for advanced bovine ocular squamous cell carcinoma. *Bulletin of Animal Health and Production in Africa* 39 (4) 435-439.
34. **Nguihu-Mwangi, J.A.**; Muniyua, S.J.M.; Mbithi, P.M.F.; Mbiuki, S.M.; Mogo, E.G.M. (1991): How to improve the prognosis of ventral abdominal hernias in large animals: 'modified' overlapping technique. *Bulletin of Animal Health and Production in Africa* 39 (3):315-320.
35. **Nguihu-Mwangi, J.A.**; Mbithi, P.M.F.; Mbiuki, S.M. (1991): Necrosis and sloughing of skin associated with limb cellulitis in four cows and a calf: predisposing causes, treatment and prognosis. *Veterinary Record* 129: 192-195.
36. **Nguihu-Mwangi, J.A.**; Mbiuki, S.M.; Maina, J.N. (1991): Complications, management and prognoses of distal limb wounds in cattle. *Bulletin of Animal Health and Production in Africa* 39 (3):299-305.
37. **Nguihu-Mwangi, J.A.**; Mbiuki, S.M.; Mutwiri, G.K. (1991): Bovine carpal hygroma: involvement of extensor carpi radialis and facilitated surgical excision. *Bulletin of Animal Health and Production in Africa* 39 (3):293-297.

38. Munyua, S.J.M.; **Nguihu-Mwangi, J.A.**; Njenga, J.; Kariuki, D.I. (1991): An outbreak of foot and mouth disease and its socio-economic effects in a herd of pigs in Nairobi, Kenya. *Bulletin of Animal Health and Production in Africa* 39(1): 51-55.
39. Mbithi, P.M.F.; Mbiuki, S.M; **Nguihu-Mwangi, J.A.**; Kihurani, D.O. (1991): Non-fracture lameness in cattle: a retrospective study. *Bulletin of Animal Health and Production in Africa* 39(3):307-309.
40. **Nguihu-Mwangi, J.A.**; Byagagaire, S.D. (1990): Feasibility and prognosis of limb amputation in cattle and a goat. *Bulletin of Animal Health and Production in Africa* 28:391-393.
41. **Nguihu-Mwangi, J.A.**; Mbithi, P.M.F. (1990): Anaesthesia in urinary tract disease. *The Kenya Veterinarian* 14: 28-31.
42. **Nguihu-Mwangi, J.A.**; Munyua, S.J.M.; Mbithi, P.M.F. (1990): Ways of improving the prognosis of ventral hernias in food animals. *The Kenya Veterinarian* 14: 20-22.
43. **Nguihu-Mwangi, J.A.**; Kihurani, D.O.; Mbithi, P.M.F.; Mbiuki, S.M. (1990): Prognostic indicators and economic implications of advanced Bovine ocular squamous cell carcinoma after radical surgery. *The Kenya Veterinarian* 14: 23-25.
44. **Nguihu-Mwangi, J.A.**; Byagagaire, S.D. (1989): Effective management of severe ocular wound sepsis in cattle. *Bulletin of Animal Health and Production in Africa* 37:47-49.
45. **Nguihu-Mwangi, J.A.**; Byagagaire, S.D. (1989): Analgesia for bone resection: the use of rompun and local anaesthesia. Short communication. *Singapore Veterinary Journal* 13:75.
46. **Nguihu-Mwangi, J.A.**; Mbithi, P.M.F. (1989): Effect of location on severity and prognosis of limb cellulitis in six

cows. *Veterinary Record* 125:151-152.

47. **Nguihu-Mwangi, J.A. (1988)**: Excessive fibrotic periostitis as a complication of distal limb abscess in a cow. *Modern Veterinary Practice* 69 (2): 98-99.
48. **Nguihu-Mwangi, J.A.; Byagagaire, S.D. (1988)**: Unusual cause of acute frothy bloat and complications of rumen puncture. *Modern Veterinary Practice* 69 (1): 33-34.
49. **Nguihu-Mwangi, J.A.; Gitao, C.G. (1987)**: Acute cellulitis as a complication of foot rot in cattle. *Modern Veterinary Practice* 68 (2): 110-111.
50. **Nguihu-Mwangi, J.A. (1986)**: Which toxic factors cause death during small bowel obstruction? *Veterinary Medicine* 81(11): 1020-1025.
51. **Nguihu-Mwangi, J. (2007)**: Characteristics of laminitis and associated claw lesions in dairy cows in Nairobi and its environs. *PhD Thesis, University of Nairobi, Kenya*.
52. **Nguihu-Mwangi, J. (1985)**: Detailed pathophysiologic studies of intestinal obstruction in goats. *MSc. Thesis, University of Nairobi, Kenya*.

**CURRENTLY
SUBMITTED
MANUSCRIPTS**

1. Gitari AN; **Nguihu-Mwangi J**; Varma V and Mogoia EM (2017): Occurrence, treatment protocols and outcomes of colic in horses in Nairobi County, Kenya. *Veterinary World*. Manuscript No. (VETWORLD-2017-02-062).
2. Ann N. Mills-Thompson; J. Oduma; **J. Nguihu-Mwangi, R. Ojoo, A. Makanya**: Faecal cortisol metabolites level as an indicator of stress in wethers with plastic bag-impacted rumen. *Small Ruminant Research* (Manuscript Number: Rumin-D-167848).
3. Ann N. Mills-Thompson; J. Oduma; **J. Nguihu-Mwangi, R. Ojoo, A. Makanya**: Plasma cortisol level as an indicator of stress in wethers with plastic bag-impacted rumen. *General and Comparative endocrinology* (Manuscript Number: GCE-16262)
4. **James Nguihu-Mwangi**, Peter Kimeli, Gilbert Kirui (2016): Radiographic changes in foot infection in cattle as

a guide for making prognoses: a retrospective evaluation. *Journal of Advanced Veterinary and Animal Research*

5. Mwangi W.E, Mogoia E.M, **Nguihu-Mwangi J** and Mulei CM: Addition of xylazine in epidural ketamine anaesthesia causes cardiopulmonary depression but minimizes hematological changes in dogs. *Open Veterinary Journal*

6. **Nguihu-Mwangi, J**; Njagi Lucy; Mbuthia, P.G; Kimeli, P; Egesa, : Retrospective evaluation of traumatic reticulo-peritonitis and pericarditis (TRP) in cattle: prognostic indicators, pathological findings and risk factor. *Israel Journal of Veterinary Medicine*

7. **James Nguihu-Mwangi**; Joshua W. Aleri; Peter Kimeli, Purity N. Nguihu, Joshua Orungo Onono: Bacteria isolates from domestic ruminant abscesses and wounds: a retrospective evaluation of their antimicrobial sensitivities and resistance. *Journal of Animal Health and Production*

8. Pauline N. Gitonga; **J. Nguihu-Mwangi**; J. K. Wabacha: Factors associated with post-partum reproductive performance of dairy cows in medium and large scale farms in Kiambu and Nakuru Counties of Kenya. *Livestock Research for Rural Development*.

**MANUSCRIPTS
CURRENTLY
UNDER
PREPARATION**

1. Ann Nancy Mills-Thompson; J. Oduma; **J. Nguihu-Mwangi**; R. Ojoo; A. Makanya: Unbiased stereological methods for quantifying rumen structure in normal and experimentally impacted sheep rumen.

2. Ann Nancy Mills-Thompson; J. Oduma; **J. Nguihu-Mwangi**; R. Ojoo; A. Makanya: Stereological assessment of structural quantities in the rumen of sheep using STEPanizer

3. Ann N. Mills-Thompson; J. Oduma; **J. Nguihu-Mwangi**, R. Ojoo, A. Makanya: Plasma cortisol level as an indicator of

**PAPERS
PRESENTED AND
ATTENDANCE IN
CONFERENCES,
WORKSHOPS AND
SEMINARS**

stress in wethers with plastic bag-impacted rumen.

1. **Nguihu-Mwangi J (2017)**: 2017 World Antibiotic Awareness Week CPD Program. Theme: Antimicrobial Resistance (AMR). November 14th, 2017. Venue: PHPT, CAVS, University of Nairobi.
2. **Nguihu-Mwangi J (2017)**: Africa Animal Welfare Conference 2017. The nexus between animal welfare, environment and development: safeguarding our common destiny. October 2-4, 2017, at United Nations, Gigiri Complex, Nairobi, Kenya.
3. **Nguihu-Mwangi J**; Mugo SG; Njenga Munene and Thaiyah AG (2017): Prevalence of conditions causing lameness in sheep and the associated risk factors in Kajiado County, Kenya. The Kenya Veterinary Association, Commonwealth Veterinary Association and Faculty of Veterinary Medicine, University of Nairobi Joint International Scientific Conference. April 26-29, 2017, Safari Park Hotel, Nairobi, Kenya.
4. **Nguihu-Mwangi J**; Mbithi PMF; Wabacha JK and Mbuthia PG (2016): "Disorders of the Claw and Their Association with Laminitis in Smallholder Zero-grazed Dairy Cows". Second Biennial SAED International Conference. November 29-December 2, 2016, Kenyatta University.
5. Aleri J.W.; Mogo E.G.M.; Mulei C.M.; **Nguihu-Mwangi J. (2016)**: Welfare of dairy cattle in smallholder production systems in Nairobi and its environs. In: XXIX *World Buiatrics Congress*, Dublin, Ireland 3rd-8th July, 2016.
6. **J. Nguihu-Mwangi**; P.M.F. Mbithi; J.K. Wabacha; P.G. Mbuthia (2015). Factors associated with the occurrence of claw disorders in dairy cows under smallholder production systems in urban and peri-urban areas of *Nairobi, Kenya. 49th Annual Scientific Conference*. Busia County, Kenya. 22nd -25th April, 2015.
7. Nderitu, E.M; Nyaga P. N; **Nguihu-Mwangi, J** and Mogo, E.G (2015): Topical application of honey in wound management: a case study of acute moist dermatitis. *Nairobi, Kenya. 49th Annual Scientific Conference*. Busia County, Kenya. 22nd -25th April, 2015.
8. Nderitu, E.M; Nyaga P. N; **Nguihu-Mwangi, J** and Mogo, E.G (2015): Histopathologic characteristics in honey-treated wounds in dogs. *Nairobi, Kenya. 49th Annual*

Scientific Conference and 15th World Veterinary Day celebrations, day. Busia County, Kenya. 22nd -25th April, 2015.

9. **Nguihu-Mwangi J (2014)**: The main factors affecting the welfare of dairy cows in the smallholder zero-grazing units in Kenya: a review from several studies. *The Kenya Veterinary Association, Nairobi Branch, Scientific Conference*, Friday 7th February 2014, All Saints Cathedral Hall.
10. Mwangi W.E, Mogoia E.M, **Nguihu-Mwangi J**, Mulei C.M **(2014)**: The hematological, Temperature and Cardiopulmonary effects of Epidural Xylazine, Lidocaine and Their Combination in Dogs. *39th World Small Animal Veterinary Association Congress*. Cape Town, South Africa 16th - 19th September 2014.
11. Hope R. Otsyina; **J. Nguihu-Mwangi**; E. Mogoia; P. G. Mbuthia; W. Ogara **(2014)**. Clinical and pathological findings of goats experimentally implanted with plastic bags into the rumen. *9th Biennial Scientific conference, Faculty of Veterinary Medicine, UON*. 3rd -5th September 2014.
12. H. R. Otsyina, **J. Nguihu-Mwangi**, E. Mogoia, P. G. Mbuthia, W. Ogara **(2014)**. Prevalence of indigestible foreign bodies in the rumen of sheep and goats slaughtered at Dagoretti and Kiserian abattoirs, Kenya. *9th Biennial Scientific conference, Faculty of Veterinary Medicine, UON*. 3rd -5th September 2014.
13. Hope R. Otsyina; **J. Nguihu-Mwangi**; E. G. Mogoia; P. G. Mbuthia; W. Ogara **(2014)**. Haematological and biochemical parameters of sheep experimentally implanted with plastic bags into the rumen. *9th Biennial Scientific conference, Faculty of Veterinary Medicine, UON*. 3rd -5th September 2014.
14. **J. Nguihu-Mwangi**, D. M. Kirimi, P.N. Gitonga **(2013)**: Disposal of waste from Veterinary Clinics and

laboratories: a potential hazard to environment, human and animal health. *1st International One Health conference on one health and the control of infectious diseases: building capacity, systems and engaging communities. One Health Central and Eastern Africa (OHCEA)*. 23-26 September 2013, Hilton Hotel, Addis Ababa, Ethiopia. p 93.

15. **J. Nguhiu-Mwangi**, P.M.F Mbithi, J.K. Wabacha, P.G. Mbuthia (2013): Histological and ultrastructural changes in dairy cow claws with subclinical and chronic laminitis. In: *Proceedings of the 47th Kenya Veterinary Association Annual Scientific Conference on One Health Approach in Veterinary Training and Practice, 24th-26th April 2013 at White sands Hotel, Mombasa, Kenya*.
16. Mwangi, W.E., Mogoia, E.M, **Nguihu-Mwangi, J (2013)**: Effects of epidural xylazine, lidocaine, and their combination on body temperature in acepromaxine-sedated dogs. In: *Proceedings of the 47th Kenya Veterinary Association Annual Scientific Conference on One Health Approach in Veterinary Training and Practice, 24th-26th April 2013 at Whitesands Hotel, Mombasa, Kenya*.
17. Mwangi, W.E., Mogoia, E.M, **Nguihu-Mwangi, J (2013)**: Complications associated with anaesthesia in small animal practice in Nairobi County, Kenya. In: *Proceedings of the 47th Kenya Veterinary Association Annual Scientific Conference on One Health Approach in Veterinary Training and Practice, 24th-26th April 2013 at Whitesands Hotel, Mombasa, Kenya*.
18. Aleri J.W., **Nguihu J M**, Mogoia E.M. and Mulei C M (2012): Challenges in the smallholder (zero-grazing) production systems of Nairobi and its environs: A welfare perspective. In: *Proceedings of 8th Biennial Scientific Conference of the Faculty of Veterinary Medicine and the 46th Kenya Veterinary Association Annual Scientific Conference and 12th World Veterinary Day Celebrations, 25th-27th April 2012, at Safari Park Hotel, Nairobi, Kenya*.

19. J.W. Aleri, **J. Nguhiu-Mwangi**, E. M. Mogoia and C. M. Mulei (2011): Risk factors associated with body injuries and poor welfare in cattle within smallholder units in periurban areas of Nairobi, Kenya. In *Proceedings of the 45th Kenya Veterinary Association Annual Scientific and 11th World Veterinary Day Celebrations 27th-29th April 2011, In Kisumu, Kenya.*
20. **Nguhiu-Mwangi, J.**; Mbithi, P.M.F.; Wabacha, J.K.; Mbuthia, P.G. (2008): Laminitis in cattle: an insidious but devastating claw disease syndrome affecting productivity of the dairy cows in Nairobi and its environs. *Proceedings of the 4th JKUAT scientific, technological and industrialization conference. 4th to 5th December, 2008, Nairobi, Kenya, pp 469-478.*
21. **Nguhiu-Mwangi, J.**; Mbithi, P.M.F.; Wabacha, J.K.; Mbuthia, P.G. (2008): The Status and effects of laminitis on claw health of dairy cows in smallholder units in Nairobi and peri-urban districts. *6th Biennial Scientific Conference and Exhibition, 17th-19th September 2008. Faculty of Veterinary Medicine, Kabete, Nairobi, Kenya.*
22. **J. Nguhiu-Mwangi**, P.M.F. Mbithi, J.K. Wabacha, P.G. Mbuthia (2006): Haemorrhagic sole is the most definitive diagnostic and distinguishing sign of subclinical and chronic laminitis in cattle. In: *Proceedings of the Faculty of Veterinary Medicine 5th Biennial Scientific Conference on Emerging/Re-emerging Diseases and Environmental Challenges, and Exhibition, September 6th-8th, 2006. Held at Faculty Premises, Upper Kabete Campus.*
23. **2007**: Attended and participated in the Workshop on review of BVM training, animal welfare incorporation into the BVM and stop-gap programmes and MVet Surgery Postgraduate teaching in the Department of Clinical Studies. *The workshop was held in KWIST Naivasha in November, 2007.*
24. **J. Nguhiu-Mwangi**, P.M.F. Mbithi (1990): Anaesthesia in

urinary system diseases. In: *Proceedings of The Kenya Veterinary Association Annual Scientific Conference held at Egerton University, Njoro, April 1990.*

25. **Nguihu-Mwangi, J.A.**; Gathumbi, P.K.: Kihurani, D.O.; Mbithi, P.M.F.: Mbiuki, S.M. (**1989**): Atypical (cutaneous) actinobacillosis in cattle: clinical observation, diagnosis and treatment in eighteen cases. *Proceedings of the 1st Biennial Scientific conference of the Faculty of Veterinary Medicine, University of Nairobi. Bulletin of Animal Health and Production in Africa pp 119-121.*
26. Kihurani, D.O.: Ngatia, T.A.; **Nguihu-Mwangi, J.A.** (**1989**): Ano-rectal squamous cell carcinoma in a cow and incidence of bovine intestinal tumours in Kabete, Kenya. *Proceedings of the 1st Biennial Scientific conference of the Faculty of Veterinary Medicine, University of Nairobi. Bulletin of Animal Health and Production in Africa pp 103-105.*
27. **J. Nguihu-Mwangi** (**1989**): management of advanced squamous cell carcinoma in cattle and ventral hernias. In: *Proceedings of The Kenya Veterinary Association Annual Scientific Conference held at KETRI, Muguga, April 1989.*

**TRAINING
ATTENDED AND
CONTINUING
PROFESSIONAL
DEVELOPMENT
(CPD)
PARTICIPATION**

1. **2016:** Attended a training on Grant Proposal Writing, held on June 8-10, 2016 at the UNES Ariziki Conference Centre, Chiromo. University of Nairobi.
2. **2016:** Attended a Veterinary Clinical Pathology CPD at the Pride Inn Conference Centre, Westlands, Nairobi, held on 19TH February 2016. Organized by Kenya small and companion animal veterinary association branch (KESCAVA).
3. **2016:** Attended and participated in CPD on Emerging Veterinary Issues. Organized by Kenya Women Veterinary Association Branch on 11TH February 2016 at National Agricultural Research Laboratories (NARL) Kabete, Nairobi.
4. **2016:** Attended Animal Feeds Stakeholders Workshop

organized by Kenya Bureau of Standards (KEBS) on 21ST April, 2016 at Boman Hotel, Nairobi.

5. **2016:** Did an Online CPD on Economically Important Ticks of East Africa. Online CPD by Faculty of Veterinary Medicine & Surgery, Egerton University, Njoro. 24TH February, 2016.
6. **2015:** Attended a one day Animal Human Health, Welfare and Food Safety conference, organized by Kenya Women Veterinary Association, Nyahururu. 20TH March, 2015.
7. **2015:** Attended a Lecturer Didactic Training Workshop, Prepare BSc, A pedagogy based training on how to prepare and deliver lectures for best outcome on the students and preparing and marking of examinations. University of Nairobi, College of Agriculture and Veterinary Sciences, September 24TH -25TH, 2015.
8. **2015:** Attended the Extensive Livestock Expo 2015 on the link between academic relevance and industry KVA/UON/KCB partnership. Held at the College of Agriculture and Veterinary Sciences on 4TH and 5TH November, 2015.
9. **2012:** Attended a PhD supervision course as well as a facilitator on the same as a supervisor for a student who was sponsored by TRECCA AFRICA. This was together with a workshop on climate change held in Sustainability Institute, Stellenbosch, South Africa with facilitators with Professors from Stellenbosch University and sponsored by TRECCA AFRICA in **July, 2012**.
10. **2012:** Attended a PhD supervision workshop organized by College of Agriculture and Veterinary Sciences, and held in the Seminar room, Department of Clinical Studies, Faculty of Veterinary Medicine in 2012.
11. **2010:** Attended and fully participated in a stakeholder's workshop on Strategies for Promotion of Good Animal Welfare. Held at Agricultural Information Resource Centre Nairobi, 28TH-29TH October, 2010.

12. **1985:** Attended a Workshop on orthopaedics INTERNATIONAL A0 techniques and osteosynthesis held in Kenyatta National Hospital February, 1985.
13. **1990:** Attended a Continuing Education Course in Veterinary radiology. Held at the Faculty of Veterinary Medicine, Kabete, Kenya in 1990 organized through Kenya Veterinary Association and taught by a radiologist from Bristol University, Scotland.
14. **1990:** Attended a Course on Electron Microscopy Procedures. Conducted in collaboration between Department of Zoology, University of Nairobi and Sussex University, United Kingdom, 1990. Held in Chiromo campus, University of Nairobi.

**EXAMINATION OF
MSc AND PhD
THESIS**

1. Internal Examiner and member of Board of Examiners for Anderson Gitari MSc Thesis titled "*Prevalence, risk factors, treatment and outcomes of colic in horses in Nairobi County, Kenya*". University of Nairobi.
2. **Internal examiner and member of Board of Examiners** for Peter Kimeli **MSc. Thesis** titled "*Locomotion Scores and associated factors in dairy cows in the smallholder zero-grazing dairy units in Kikuyu district, Kiambu County, Kenya*". University of Nairobi
3. **Internal examiner and member of Board of Examiners** for Joshua Wafula Aleri's **MSc Thesis** titled "*Welfare of dairy cattle in the smallholder (Zero-grazing) production systems in Nairobi and its environs*" University of Nairobi.
4. **Internal examiner and member of Board of Examiners** for Samuel Gitau Mugo's **MSc Thesis** titled "*Prevalence and risk factors of conditions causing lameness in sheep under free-range grazing systems in Kajiado district, Kenya*" University of Nairobi.

5. **Member of of Board Examiners** for Dr. Herbet Waitindi Kibebe's **MSc Thesis** titled "*Point of care in diabetic patients using glycated hemoglobin and blood glucose at Nyeri Provincial General Hospital and monitoring the same in diabetic mice*" University of Nairobi.
6. **Member of Board of Examiners** for Dr. Stephen Kitonga Mavuti's **MSc Thesis** Faculty of Veterinary Medicine, University of Nairobi.
7. **Member of Board of Examiners** for Dr. Charles Gichohi Mathenge's **MSc Thesis** titled "*Prevalence, intensity and pathological lesions associated with helminth infection in farmed and wild fish in Upper River Tana Basin*", University of Nairobi.
8. **Member of Board of Examiners** for Dr. Patrick Kamundia Waweru's **MSc Thesis**, University of Nairobi.
9. **Member of Board of Examiners** for Mr. Kibebe Gwaro Monda's **MSc Thesis**, titled "*Point of care in diabetic patients using glycated hemoglobin and blood glucose at Nyeri Provincial General Hospital and monitoring the same in diabetic mice*", University of Nairobi.

**EDITORIAL AND
REVIEW OF
JOURNAL
MANUSCRIPTS**

1. **2016: Reviewer** for BMC Research Notes journals Manuscript Number: RESND-16-00162 Title: Effects of high-grain diets on rumen fermentation and mRNA expression of pro-inflammatory cytokines and matrix metalloproteinase genes in goat hooves
2. **2016: Reviewer** for BMC Research Notes Journals Manuscript Number RESN-D-16-00139R1 Title: Pseudoaneurysm of axillary artery after pleural drainage: rescued by endovascular repair.
3. **2015:** I have an invitation to be Sole Editor of a book to be published in Croatia by InTech Open Access Publisher in Croatia.

**SUPERVISION OF
UNDERGRADUATE
PROJECTS**

4. **Reviewer** on several occasions for manuscripts to be published in the Kenya Veterinarian. A Journal of the Kenya Veterinary Association.

1989: Secretary to the editorial committee of the Biennial Scientific Conference of the Faculty of Veterinary Medicine, University of Nairobi, Kenya, 1989

5. **1989: Member of the organizing committee** of the Biennial Scientific Conference of the Faculty of Veterinary Medicine, University of Nairobi, Kenya, 1989.

1. 2019: Student: Mwangi, Jemimmah Waringa (J30/2588/2014): BVM project: *Human snakebites in Kenya: a retrospective study from records of 2013-2018.*

2. 2019: Student: Ameida Averil (J30/55653/2012): BVM project title: *Prevalence and factors associated with urolithiasis in domestic cats in Nairobi County from August 2008 to August 2018.*

3. 2018: Student: Kasamu Miriam Mbuli (J30/2393/2013). BVM degree project title: *Hospitalized large animal caseload in the training of Bachelor of Veterinary Medicine Course in the University of Nairobi, Kenya from 1980-2015.*

4. 2018: Student: Wako Buke Yussuf (J30/2273/2012): BVM project title: *Prevalence, intensity and species of gastrointestinal helminths in Grevy's zebra in Samburu and Isiolo Counties, Kenya.*

5. 2018: Student: Krishna Mukeshi Kesharia (J30/54831). BVM degree project title: *Radiography caseload for training veterinary students at the Faculty of Veterinary Medicine in the University of Nairobi from 2007-2017.*

6. 2018: Student: Esther Wanjiku Macharia (J30/2382/2013): BVM project title: *Large animal ambulatory clinic caseload in training of veterinary medicine course at the University of Nairobi, Kenya from 1980-2016.*

7. 2017: Student: Mutua Eva Katile (J30/2252/2012): BVM project: *Restrospective study on ovariohysterectomy in bitches in Nairobi County, Kenya.*

8. 2017: Student: Kelvin Gathiru Nyagah (J30/2400/2013): BVM project title: *Pathologic changes observed in carcasses of cattle that died of traumatic reticuloperitonitis and traumatic pericarditis from 1981-2006.*
9. 2017: Student: Nyamwaya Eric Ochieng' (J30/2121/2012): BVM project title: *BVM project title: Occurrence of Bovine ocular conditions at the large animal clinic, University of Nairobi, Kenya 2006-2015.*
10. **2016:** Student: Titus Mwai (J30/35/39/2009): BVM degree project 2016 titled *The welfare of free range chicken in Othaya Sub-County, in Nyeri County, Central Kenya*
11. **2013:** Student: Kimathi Boscoh Odhiambo, J30/3522/2008: BVM degree project 2013 titled *"A retrospective study of bacteria isolates and their sensitivity: From cattle wounds and abscesses in the Large Animal Clinic, University of Nairobi, Kenya".*
12. **2013:** Student: Onyango Gregory Erick, J30/3494/2008: BVM degree 2013 titled *"characteristics, management and outcome of limb fractures in cattle treated in the Large Animal Clinic, University of Nairobi, Kenya".*
13. **2012:** Student: Maureen Kanana Murithi, J30/2613/2007: BVM degree project 2012 titled *"Awareness by smallholder farmers on the necessity and benefits of claw trimming in dairy cattle".*
14. **2012:** Lekopien C. Argeo, J30/2690/2006: BVM degree project 2012 titled *"Retrospective study of traumatic reticulitis and pericarditis in cattle diagnosed at the veterinary clinic, University of Nairobi".*
15. **2012:** Student: Kirimi Domenic Mung'atia, J30/2609/2007: BVM degree project 2012 titled *"A survey on waste disposal methods in veterinary clinics and laboratories in Nairobi and its environs".*

**PARTICIPATION
IN COMMUNITY
WORK**

1. Development of animal welfare standards in production animals. August 10-12, 2016, Naivasha, Kenya.
2. Public participation on Nairobi animal control and welfare draft bill. September 8, 2016, Cooperative Board room

	<p>12th floor Nyayo house.</p> <ol style="list-style-type: none"> 3. Animal welfare launch stakeholders forum. February 2, 2017. Pan Afric Hotel, Nairobi. 4. 1990-2015: Member of the Advisory Committee of the Upper Kabete Campus Christian union, University of Nairobi. 5. Actively involved in Africa Inland Church, Ngong Road leadership at various periods 1986 to current time. 6. Spiritual guidance and Counseling under Faith Evangelistic Ministry (FEM), Nairobi: 1993-1997). 7. Participated as a local community livestock-show judge in an ASAL community of Oloi shobo in Kajiado County as a strategy to encourage the community on ways of improving their livestock production particularly beef and dairy cattle. 8. Participated severally in organizing and running poultry farmers' seminars in collaboration with Kenchic and animal feed millers while carrying out Veterinary Clinical Consultations to the community. 9. Kenya Veterinary Association field days to offer veterinary services to communities. 10. Veterinary Advisory Services to the farmers and University Clinic clients when they visit to seek such advice without necessarily requiring clinical services.
<p>PERFORMANCE APPRAISAL</p>	<p>My performance as appraised by the peers, students and my job supervisor who is the chairman of the Department of Clinical Studies in the University of Nairobi has always been “Good” to “Exceeds Expectations”. Always between above 70% to 95%</p>
<p>REFEREES</p>	<ol style="list-style-type: none"> 1. Prof. Paul G. Mbutia (<i>Professor of Veterinary Pathology</i>) Department of Veterinary Pathology, Parasitology and Microbiology,

Faculty of Veterinary Medicine, University of Nairobi.
P.O. Box 29053-00625, Nairobi, Kenya.
Telephone: +254 721 616 942
Email: pgmbuthia@uonbi.ac.ke

2. Prof. Susan W. Mbugua (*Professor of Veterinary Surgery*)
Department of Clinical Studies,
Faculty of Veterinary Medicine, University of Nairobi.
P.O. Box 29053-00625, Nairobi, Kenya.
Telephone: +254 722 746 020
Email: susan.mbugua@uonbi.ac.ke

3. Prof. Charles M. Mulei (*Professor of Veterinary Medicine*)
Department of Clinical Studies,
Faculty of Veterinary Medicine, University of Nairobi.
P.O. Box 29053-00625, Nairobi, Kenya.
Telephone +254 722 840 314
Email: cmulei@uonbi.ac.ke
