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(B.V.M, PhD)

CURRICULUM VITAE

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PERSONAL DATA

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SUMMARY OF WORK EXPERIENCE AND PROFESSIONAL SKILLS/ EXPERTISE

Charles M. Mulei is a Professor of Internal Veterinary Medicine in Clinical Studies Department University of Nairobi. He obtained his Doctor of Philosophy (PhD) in farm

animal production medicine from the University of Queensland, Australia in 1985 and Bachelor of Veterinary Medicine from the University of Nairobi in 1979. Professor Charles Mulei is widely published with 145 scientific papers; 97 in peer reviewed journals and 48 in scientific conferences. He has also co-authored Eight 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 ONE Teaching Manual on Animal Health course for Undergraduate students taking Agribusiness in the Faculty of Agriculture.

Charles M. Mulei has been a Professor in his area of specialization of internal veterinary medicine since March 2003. As a Professor he has been teaching Internal Veterinary Medicine, Animal Health Management (Herd Health) and Veterinary Clinical Chemistry. He has demonstrable professional skills and extensive teaching experience in the field veterinary work, teaching of both postgraduate and undergraduate students at the university spanning over 36 decades. He also has a great deal of experience in supervising and mentoring postgraduate students and examining their dissertations and theses. He has been an external examiner in various universities in Africa; Makerere University, Uganda, Sokoine University of Agriculture, Tanzania and University of Zimbabwe, Zimbabwe. He has also been able to mobilize resources for research, outreach, training and equipment.

Prof. Charles Mulei has been in various leadership and management positions in the University of Nairobi. He is currently a Deputy Director (Deputy Principle Level, an administrative position) in Graduate School University of Nairobi. He has been Chairman of department (Clinical Studies Department), Dean of a faculty (Faculty of Veterinary Medicine), and an Acting Principal of a college (College of Agriculture and Veterinary Sciences). He has also undertaken various leadership courses (Financial Strategic Analysis and Management, Strategic Leadership Development Program (SLDP), Balanced Scorecard and Corporate Governance).

PUBLICATIONS

TEXT BOOKS

- (1) **Charles M. Mulei** and Peter M. Mbithi
Metabolic and Nutritional Disorders in Food Animals
University of Nairobi Press, 2003; **ISBN 9966 846 55 7**
- (2) Peter M. Mbithi, **Charles M. Mulei** and Eddy G. M. Mogoa
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**
- (3) 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**
- (4) Peter M. Mbithi, **Charles M. Mulei** and James Nguhiu – Mwangi
Veterinary handbook on Routine Operative Surgical Procedures
University of Nairobi Press (**Accepted for publication**)
- (5) **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**
- (6) **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**

- (7) **Charles M. Mulei** and Mical Otieno
Secondary School Agriculture Form III, Pupils Book and Teacher's Guide
University of Nairobi Press (**In Press**)
- (8) **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**
- (9) **Mulei, C.M.** and Abuom, T.O. (2013). **Undergraduate teaching manual.**
Title of the Manual: Animal Health Management (AAS: 414 and AEB 302).

SCIENTIFIC PUBLICATIONS PEER REVIEWED JOURNALS (97)

1. Peter S.G., Gakuya D.W., Maingi N. and **Mulei C.M. (2019).**
Prevalence and risk factors associated with Ehrlichiosis in smallholder dairy cattle in Nairobi City County, Kenya.
Veterinary Word, 12(10):1599-1607
2. Mbindyo SN, GK Gitau, **CM Mulei**, SW Mbugua, (2017)
Associations of Kennel management practices with morbidity and mortality of adult dogs in Kenya. **International Journal of Veterinary Science, 6(3):153-158**
3. Kitaa JMA, **Mulei CM**, Mande JD, Wabacha JK, Mahinga AO and Ngetich W (2017). Polymerase chain reaction detection of ehrlichia canis the causative agent of canine monocytic ehrlichiosis in Kenya.
International Journal of Agricultural Science and Veterinary Medicine, 5(4):74-82
4. Mutembei, HM, **CM Mulei** and PMF Mbithi. (2016)

A Kenyan Economic Analysis on Utilization of Ovum Pick Up, In vitro Embryo Production and Embryo Transfer Technologies in Cattle.

International Journal of Veterinary Science. 5(2):64-68

5. Peter, GS, Gitau, GK, Richards S, Vanleeuwen, J, Uehlinger, F, **Mulei C** and Kibet F. **(2016)**

Risk factors associated with Cryptosporidia, Eimeria, and diarrhea in smallholder dairy farms in Mukurwe-ini Sub-County, Nyeri County, Kenya

Veterinary World, 9(8):811-819, 2016

6. Mbindyo SN, Gitau GK, **Mulei CM** and Mbugua SW **(2016)**.

Etiological Factors Associated with Disease Morbidity and Mortality of Adult Dogs among Kennels in Nairobi, Kenya

International Journal of Veterinary Science, 6(3):1-7

7. Mbindyo SN, GK Gitau, **CM Mulei**, SW Mbugua, **(2015)**

Causes and Risk Factors Associated With Morbidity and Mortality of Adult Dogs in Kennels Within Nairobi County and its Environs.

International Journal of Veterinary Science, 6(1):2-9, 2015

8. Mutembei HM, Cook AE, Muraya J, Makau DN, Alari J, Kipyegon A and **Mulei CM (2015)**.

A One-Health approach to control the incidence of Rabies in the Slums of Nairobi.

Journal of Medical and Biological Science Research, 1(9);130-133, 2015

9. Mutembei HM, Wangare T, Kimaru J, deSouza N, **Mulei CM** and Mbithi PMF **(2015)**. Benefits of entrenching animal disaster management and livestock emergency guidelines standards (LEGS) courses into the veterinary curriculum: Case study of the University of Nairobi, Kenya.

Journal of Agricultural Science and Food Technology, 1(7):101-106, 2015

10. Makau DN, **Mulei CM**, Mutembei HM, Muraya J and Aleri JW (2015). Assessment of fecal parasitism for decision making in continued deworming of slum stray dogs in Nairobi areas of Kenya.

Journal of Veterinary Medicine and Animal Health, 7(11):328-330, 2015

11. Peter, GS, Gitau, GK, **Mulei, CM**, Vanleeuwen, J, Richards, S, Wichtel J, Uehlinger, F and Mainga O, (2015). Prevalence of Cryptosporidia, Eimeria, Giardia, and Strongyloides in pre-weaned calves on smallholder dairy farms in Mukurwe-ini district, Kenya.

Veterinary World, 8; 1118-1125, 2015

12. Mutembei HM, **Mulei CM** and Mbithi PMF (2015).

Restoring community livelihoods and food security through livestock asset during drought disasters: Case study of Mwingi, Kenya.

African Journal of Food, Agriculture, Nutrition and Development, 15(3):10047-10049, 2015

13. 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.

14. 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, 2014

15. 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, 2014

16. Mwangi WE, Mogoia 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, 2014

17. 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.

18. 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.

19. 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.

20. 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).

21. 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.

22. Aleri JW, Nguhiu-Mwangi J, Mogua EM and **Mulei CM. (2012).**

Welfare of dairy cattle in smallholder (zero-grazing) production systems in Nairobi and its environs.

Livestock Research for Rural Development. 24(9): (2012).

23. 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

24. 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).

25. 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).
26. 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).
27. 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).
28. 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).
29. 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).
30. 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).

31. 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)
32. 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), 82-91 9(2006).
33. 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
34. 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).
35. 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).
36. 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).

37. 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).

38. 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).

39. 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.

40. 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).

41. 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).

42. Ngatia, T.A., **Mulei, C.M.**, Gathumbi, P.K. and Wabacha, J.K. (2001).
Oedema disease of Swine. A toxæmia or an infection?
Bulletin of Animal Health and Production in Africa, 49:292-298 (2001).
43. 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).
44. 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).
45. 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).
46. **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).
47. **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).

48. **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).

50. **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).

51. 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).

52. 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).

53. **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).

54. **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).

55. **Mulei, C.M.**, Gitau, G.K. and Mbutia, P.G. (1995).

Causes of calf mortality in Kabete area of Kiambu District of Kenya.

Onderstepoort Journal of Veterinary Research, 62: 181-185(1995).

56. Mbutia, P.G., Kariuki, D.I. and **Mulei, C.M.** (1994).

Generalized Demodicosis in a zero-grazed Friesian heifer.

Veterinary Parasitology, 51: 337-343(1994).

57. Maina, A.K. and **Mulei, C.M.** (1994).

Mammary quarter infection rate in smallholder dairy farms in Kiambu District of Kenya.

Bulletin of Animal Health and Production in Africa, 42: 69-70(1994).

58. Wabacha, J.K., **Mulei, C.M.**, Gitau, G.K. and Thaiyah, A.G. (1994).

Antibiotic sensitivity of bacterial organisms isolated from eye swabs of cattle with infectious keratoconjunctivitis (pink eye) in Kenya.

Indian Journal of Animal Science, 64(7): 739-741(1994).

59. Gitau, G.K., O'callaghan, C.J., McDermott, J.J., Omore, A.O., Odima, P.A., **Mulei, C.M.** and Kilungo, J.K.(1994).

Health and productivity of cattle in smallholder dairy farms in Kiambu District of Kenya: Study designs and farm description.

Preventive Veterinary Medicine, 21(2): 155-166(1994).

60. **Mulei, C.M.**, Macharia, S.M. and Mbutia, P.G. (1994).

An outbreak of leptospirosis due to Leptospira hardjo and Leptospira pomona in a

zero-grazing herd.

Bulletin of Animal Health and Production in Africa, 42: 327-328(1994).

61. Macharia, S.K., **Mulei, C.M.**, Gathuma, J.M. and Kagiko, M.M. (1994).

Serological survey of leptospirosis antibodies in cattle, sheep and goats in Nyandarua District.

Bulletin of Animal Health and Production in Africa, 42: 335-337(1994).

62. **Mulei, C.M.**, Mutiga, E.R. and Gitau, G.K. (1993).

Retained fetal membranes in cattle: Relationship between bacterial isolates, blood picture and systemic involvement.

Indian Journal Animal Science, 63 (3): 235-238(1993).

63. **Mulei, C. M.** and Gitau, G.K. (1993).

Antibiotic sensitivity of aerobic bacterial organisms isolated from cows with post-partum vaginal discharges and their implication in therapy of uterine infections in Kenya.

Indian Veterinary Journal, 70:999-1002(1993).

64. Maina, A. K. and **Mulei, C.M.** (1993).

The prevalence of udder and teat lesions in dairy cows in Kenya.

Bulletin of Animal Health and Production in Africa, 41: 161-162(1993).

65. 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).

66. **Mulei, C.M.** (1992).

Plasma biochemical changes associated with magnesium administration in

hypomagnesaemic and normomagnesaemic calves.

Indian Journal Animal Science, 62(2): 1186-1188(1992).

67. Mulei, C.M. (1991).

Changes in blood chemistry in late pregnancy and early lactation and their relationship to milk production in dairy cows.

Bulletin of Animal Health and Production in Africa, 39: 77-81(1991).

68. Mulei, C.M. and Daniel, R.C.W. (1990).

The value of magnesium loading in detecting magnesium deficiency in young calves.

Indian Journal Animal Science, 60 (2): 173-174(1990).

69. Mulei, C.M. (1990).

Relationship between plasma and erythrocyte magnesium concentrations in dairy cattle.

Metal Ions Biological Medicine. 1: 168-171(1990).

70. Mulei, C.M. and Daniel, R.C.W. (1990).

Changes in plasma and erythrocyte sodium and potassium concentrations in dairy heifers during starvation.

Acta Veterinarian (Beograd), 40: (2-3) 59-64(1990).

71. Mulei, C.M. and Daniel, R.C.W. (1990).

Changes in plasma protein concentrations of dairy cows in late pregnancy and early lactation and their relationship with subsequent fertility.

Bulletin of Animal Health and Production in Africa, 38: 239-243(1990).

72. Daniel, R.C.W., Kerr, D.R. and Mulei, C.M. (1990).

Occurrence and effects of subclinical hypocalcaemia in dairy cows.
New Zealand Society of Animal Production, 50: 261-263, 1990

73. **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, 1990

74. **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, 1990

75. **Mulei, C.M. (1990).**

The use of clinical pathology in the diagnosis of urinary tract diseases in animals.

The Kenya Veterinarian, 14:7-9(1990).

76. **Mulei, C. M. and Daniel R.C.W. (1990).**

The effects of age on the erythrocyte sodium and potassium concentrations of dairy cows during late pregnancy and early lactation.

Veterinary Research Communication, 14:63-70(1990).

77. **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).

78. **Mulei, C.M. and Daniel, R.C.W. (1989).**

Effect of age and season of calving on blood chemistry changes of dairy cows in late pregnancy and early lactation.

Indian Journal of Animal Science, 59 (8); 1028(1998).

79. **Mulei, C.M.**, Rege, J.E.O. and Kiptoon, J.C. (1989).

Prevalence and seasonal occurrence of East Coast Fever in Kiambu District of Kenya.

Bulletin of Animal Health and Production in Africa, 37:35-39(1989).

80. **Mulei, C.M.** and Daniel, R.C.W. (1989).

Plasma minerals, leukocytes counts and erythrocyte sodium, potassium and magnesium concentrations in dairy heifers after ACTH administration.

Act Veterinaria - Beograd. 39: 3-10(1989).

81. **Mulei, C.M.** and Atwell, R.B. (1989).

A case of lymphoedema in a Friesian-Aryshire crossbreed female calf.

Australian Veterinary Journal, 66: 227-228(1989).

82. **Mulei, C.M.** and Daniel, R.C.W. (1989).

Changes in concentrations of certain plasma and erythrocyte changes in hypomagnesaemic and normomagnesaemic young calves.

Journal Veterinary Medicine, 35: 783-788(189).

83. **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).

84. Rege, J.E.O., Mutwiri, G.K. and **Mulei, C.M.** (1989).

Antibiotic persistence patterns of bacterial organisms implicated in bovine mastitis and some canine infections.

Bulletin of Animal Health and Production in Africa, 37: 319-326(1989).

85. **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.

Bulletin of Animal Health and Production in Africa, Special Edition. 87-89(1989).

86. **Mulei, C.M. (1989).**

Evaluation of fertility of dairy cows using blood chemistry.

The Kenya Veterinarian, 13: 27-30(1989).

87. **Mulei, C.M., (1989).**

The effect of short fasting period on blood chemistry of dairy heifers.

The Kenya Veterinarian, 13: 31-32(1989).

88. **Mulei, C.M.** and P.M. Mbithi (1989).

A comparison of the clinical haematological values of healthy adult beef and dairy cattle at Kabete.

The Kenya Veterinarian, 13: 33-34(1989).

89. **Mulei, C.M.** and Daniel, R.C.W., (1988).

Studies of stress factors on certain blood component concentration changes of dairy cows during late pregnancy and early lactation.

Indian Journal of Dairy Science, 41: 53-56(1988).

90. **Mulei, C.M.** and Munyua, S.J.M. (1988).

Urea poisoning in a commercial Jersey Herd.

Bulletin of Animal Health and Production in Africa, 36: 279-280(1988).

91. **Mulei, C.M.**, and Daniel, R.C.W., (1988).

The effects of age on erythrocyte magnesium (EMg) concentration changes during late pregnancy and early lactation in dairy cows.

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

92. **Mulei, C.M.**, and Daniel, R.C.W., (1988).

The relationship between changes in concentrations of certain blood components around parturition and subsequent fertility in dairy cows. **Acta Veterinarian (Beograd). 38: 107-112(1988).**

93. **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).

94. **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).

95. **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).

96. **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).

97. **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).

SCIENTIFIC PAPERS PRESENTED IN SCIENTIFIC CONFERENCES (47)

1. Mulei C.M (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. Mulei C.M, (1986).

Plant poisoning in cattle in Kenya. **KVA- Scientific Conference, Sept. 1986**
Kericho

3. Mulei C.M. (1987).

Changes in blood chemistry of dairy cows in late pregnancy and early lactation and their subsequent relationship to fertility. **APSK- Scientific Conference, Dec. 1987,**
Kabete

4. Mulei C.M. (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. Mulei C.M. (1989).

Infectious diseases of the urinary tract of farm animals. **KVA Scientific meeting on urology**, 2nd to 3rd February, 1989, Egerton University

6. Mulei C.M. (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. 7th - 9th August, 2002, Kabete
- 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. 7th - 9th August, 2002, Kabete

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. 7th - 9th August, 2002, Kabete

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, 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. September 2010, Kabete

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.

September 2010, Kabete

- 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.

September 2010 , Kabete.

- 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, 26th September 2011, Machakos

- 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. April, 2011, Kisumu Hotel, Kisumu

- 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. 27-29 April, 2011, Kisumu Hotel, Kisumu

- 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. 25-27 April, 2012, Safari Park Hotel, Nairobi

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. 25-27 April, 2012, Safari Park Hotel, Nairobi

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, 24-26 April 2013, Whitesands Hotel, Mombasa.

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, 24-26 April 2013, Whitesands Hotel, Mombasa

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, 24-26 April 2013, Whitesands Hotel, Mombasa

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, 24-26 April 2013, Whitesands Hotel, Mombasa

- 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

- 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 Sept. 2013, Hilton Hotel, Addis Ababa

- 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, April 23-25, 2014, Boma Inn, Eldoret

- 41.** Kirui G, Thaiyah AG, **Mulei CM**, Nguhiu JM, and Mogoia EM **(2014)**.
The challenge of animal related injuries to veterinarians in Kenya.
48th Annual Kenya Veterinary Association scientific conference, April 23-25, 2014, Boma Inn, Eldoret
- 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, April 23-25, 2014, Boma Inn, Eldoret
- 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 Loitokitok district.
48th Annual Kenya Veterinary Association scientific conference, April 23-25, 2014, Boma Inn, Eldoret
- 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, April 23-25, 2014, Boma Inn, Eldoret

- 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 3-5, 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, April 22-24, 2015, Hotel Itoya, Busia
- 47.** Muthee, 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, April 22-24, 2015, Hotel Itoya, Busia
- 48.** Kimeli P., Kirui G, Mwangi W, Kipyegon A, Wamaitha M, Muasya D, Kamau J, Thaiya A, Gakuya D and **Mulei C. (2016)**.
Antimicrobial susceptibility patterns of mastitis *Staphylococcus aureus* from bovine and caprine in peri-urban Nairobi, Kenya.
50th Annual Kenya Veterinary Association Scientific Conference, April 27-29, 2016, Meru Town

MANUSCRIPTS SUBMITTED IN PEER REVIEWED JOURNALS

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. Mwangi WE, Kimeli P, Kirui G, Kipyegon AN, Juma P, **Mulei CM**.
Epidural Lidocaine and Medetomidine-Ketamine Anaesthesia; an alternative technique for management of femoral fracture in domestic cat.
Journal of Veterinary Medicine and Animal Health (In press)
Journal of Small Animal Practice

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