

CURRICULUM VITAE

PREPARED AUGUST 2012

1.0 Personal Details:

1.1 Postal Address

Dr. Philip Mwanzia Kitala,
Senior Lecturer, Department of Public Health,
Pharmacology and Toxicology, Public Health Section,
Faculty of Veterinary Medicine, University of Nairobi,
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1.2 Date of birth: 21st February 1957.

1.3 Marital Status: Single.

1.4 Nationality: Kenyan.

1.5 Languages: English, Kiswahili, Kikamba.

2.0 Education:

1999 Doctor of Philosophy, University of Nairobi, Kenya

1987 Master of Science, University of Nairobi, Kenya

1983 Bachelor of Veterinary Medicine, University of Nairobi, Kenya

3.0 Employment:

University of Nairobi

Lecturer: August 1988 to October 2000 Department of Public Health, Pharmacology and Toxicology, Faculty of Veterinary Medicine.

Senior Lecturer: October 2000 to date.

Duties: Teaching undergraduate and postgraduate students as well as supervising the latter in their research projects, besides other duties.

4.0 Graduate student supervision

4.1 Completed

4.1.1 MSc

1. Omemo, P (2012): "Epidemiological assessment of animal-bite injuries and the financial burden of rabies in Kisumu Municipality, Kenya". Degree awarded by Maseno University.
2. Gichure, M.N (2011): "Prevalence and risk factors of African horse sickness in the donkey population of Kiambu West District, Kenya".
3. Kabaka, W (2011): "Prevalence and risk factors for gastrointestinal nematode infection and efficacies of anthelmintics in cattle in Mukurwe-ini and Nakuru districts, Kenya".
4. Nanyende, D (2010) : "Estimation of the prevalence of Brucellosis in humans and livestock in northern Turkana District, Kenya".
5. Kiprono, K.A (2009): "A participatory approach to the study of the incidence and seasonal dynamics of east Coast Fever: perceptions of the Pokot pastoralists in Northern Rift Valley Province, Kenya".
6. Maritim, W.K (2009): "Prevalence of contagious bovine pleuropneumonia and factors associated with the disease occurrence in Northwestern Turkana District, Kenya".
7. Gachohi, J.M (2009): "Estimating sero-prevalence of East Coast Fever and heart water and determination of their risk factors in cattle population in Mbeere District, Kenya".
8. Ojigo, D.O (2009): "A survey of the socio-economic benefits and health costs of urban smallholder dairy production in Dagoretti Division, Nairobi, Kenya".
9. Asaava L.A (2009): "Survey of Taenia saginata cysticercosis in northern Turkana District, Kenya".
10. Kiema, E.K (2009): "An estimation of the prevalence of hydatidosis in sheep and goats and determination of its risk factors in Northern Turkana, Kenya".
11. Njogu, G.N (2008): "An assessment of the role of different cadres of private animal health service providers in animal health service delivery in Kiambu District, Kenya".
12. Mohamed, M.Y (2007): "The impact of quarantine restrictions on livestock markets with reference to Food and Mouth Disease in Garissa District, Kenya".
13. Mutua, F.K (2006): "An investigation of risk factors of porcine cysticercosis and human taeniosis in Teso District, Kenya".
14. Karanja, K.A. (2006): "Factors associated with high calf morbidity and mortality in a dairy enterprise in Kilifi District of Kenya".
15. Kuria, J.W. (2005): "Serological characterization and drug resistance patterns of non-typhi Salmonella isolates from hospitalized children in Nairobi, Kenya".
16. Njoroge, J.W. (2004): "Studies on preventive and curative ethnoveterinary remedies applied by the Rendille/Ariaal and Gabra communities of Marsabit District, Kenya".
17. Lotira, A.R. (2004): "Participatory assessment of livestock marketing in Loima Division, Turkana District, Kenya".
18. Mochabo, K.M. (2003): "Community participatory approaches in the epidemiology and control of trypanosomosis in camels in Turkana District, Kenya".

4.1.2 PhD

1. Ithondeka, P.M. (2010): "Global animal health standards and their effects on the livestock and meat products exports in Kenya".
2. Bett, B (2008): "Evaluating the impact of a tsetse-repellent technology on the incidence of trypanosomiasis in cattle managed under pastoral production systems in Kajiado and Narok districts, Kenya".

4.1.3 In progress

4.1.3.1 PhD

1. Wesonga, F.D: A PhD Project titled "An epidemiological assessment of tick-borne diseases, their control and other constraints to livestock production in Machakos District, Kenya".
2. Okoth, E: A PhD project titled "Epidemiology of African Swine Fever virus in sylvatic and domestic cycles in Kenya".

4.3.1.2 MSc

1. Eshitera, E: MSc Project titled "Prevalence of porcine cysticercosis and its associated risk factors in free-range pigs in Homabay District, Kenya".
2. Ouko, E: MSc Project titled "Evaluation of human exposure levels to dietary aflatoxins and associated pre- and post-harvest practices in Makueni County, Kenya".

5.0 Theses examination

5.1 As an external examiner

1. Ndung'u, W (2011): MSc thesis titled "Assessing the nature and extent of rape involving children aged 0 to 18 years in Kiambu District, Kenya". Degree awarded by the Jomo Kenyatta University of Agriculture and Technology.
2. Munyaka, B.S. (2011): MSc thesis titled "Perceptions on benefits and barriers toward testing for sexually transmitted infections among students at Maseno University in Kisumu, Kenya". Degree awarded by the Jomo Kenyatta University of Agriculture and Technology.
3. Mogire, G.K (2011): MSc thesis titled "Factors associated with low birth weight deliveries in Pumwani Maternity Hospital, Nairobi, Kenya". Degree awarded by the Jomo Kenyatta University of Agriculture and Technology.
4. Kimwele, N (2011): MSc thesis titled "Knowledge, attitude, and practice on tuberculosis among outpatients attending selected health facilities in rural and urban areas of Machakos District, Kenya".
5. Mburu, R.K (2009): MSc thesis titled "Descriptive epidemiology of cervical dysplasia and inflammatory changes in women attending family health options Kenya Clinics in Nairobi". Degree awarded by the Jomo Kenyatta University of Agriculture and Technology.
6. Wanjiku Wambari (2009): MSc thesis titled "Factors contributing to non-adherence to

tuberculosis treatment among patients attending Bahati Health Centre, Nairobi. Degree awarded by the Jomo Kenyatta University of Agriculture and Technology.

7. Magu, D.G (2009): MSc thesis titled "Assessment of caretaker factors associated with diseases outcomes in children at Kenyatta National Hospital, Nairobi, Kenya. Degree awarded by the Jomo Kenyatta University of Agriculture and Technology.
8. Kur, L.W (2008): MSc thesis titled "Risk factors of trachoma in Eastern Equatoria State, Southern Sudan. Degree awarded by the Jomo Kenyatta University of Agriculture and Technology.
9. Muriuki, J.W.N (2007). MSc thesis titled "Prevalence of HIV and HBV infections among survivors of gender-based violence at Nairobi Women's Hospital in Nairobi, Kenya. Degree awarded by the Jomo Kenyatta University of Agriculture and Technology.
10. Abdikher, M.D (2006). MSc thesis entitled "A comparative study of other sexually transmitted infections among HIV infected and non-infected adults attending STD clinics in Kenya, 2003-04. Degree awarded by the Jomo Kenyatta University of Agriculture and Technology.
11. Mugoya, I.K. (2006). MSc thesis entitled "Study of nosocomial infections at Embu Provincial General Hospital and PCEA Chogoria Hospital. Degree awarded by the Jomo Kenyatta University of Agriculture and Technology.

5.2 As an Internal Examiner

1. Gichure, M.N (2011): MSc degree titled "Prevalence and risk factors of African horse sickness in the donkey population of Kiambu West District, Kenya.
2. Kabaka, W (2011): MSc degree titled "Prevalence and risk factors for gastrointestinal nematode infection and efficacies of anthelmintics in cattle in Mukurwe-ini and Nakuru districts, Kenya.
3. Ithondeka, P.M. (2010): PhD degree titled "Global animal health standards and their effects on the livestock and meat products exports in Kenya.
4. Kiprono, K.A. (2009): A Master of Science degree titled "A participatory approach to the study of the incidence and seasonal dynamics of east Coast Fever: perceptions of the Pokot pastoralists in Northern Rift Valley Province, Kenya.
5. Maritim, W.K. (2009): A Master of Science degree titled "Prevalence of contagious bovine pleuropneumonia and factors associated with the disease occurrence in Northwestern Turkana District Kenya.
6. Gachohi, J.M. (2009): Master of Science degree titled "Estimating sero-prevalence of East Coast Fever and heart water and determination of their risk factors in cattle population in Mbeere District, Kenya.
7. Ojigo, D.O (2009): A Master of Science degree titled "A survey of the socio-economic benefits and health costs of urban smallholder dairy production in Dagoretti Division, Nairobi, Kenya.
8. Asaava L.A. (2009): A Master of Science degree titled "Survey of *Taenia saginata* cysticercosis in northern Turkana District, Kenya.
9. Dr Andayi, F. N(2008): MSc thesis titled "Phenotypic and genotypic characterization of antimicrobial resistance determinants in *Bacillus cereus* isolated in food.

10. Njogu, G.N (2008): A Master of Science degree titled "An assessment of the role of different cadres of private animal health service providers in animal health service delivery in Kiambu District, Kenya".
11. Bett, B (2008): A PhD titled "Evaluating the impact of a tsetse-repellent technology on the incidence of trypanosomosis in cattle managed under pastoral production systems in Kajiado and Narok districts, Kenya".
12. Mohamed, M.Y. (2007). Master of Science degree entitled "The impact of quarantine restrictions on livestock markets with reference to Food and Mouth Disease in Garissa District, Kenya".
13. Karimi, S.K. (2007). A PhD entitled "Calf health and productivity under pastoral production systems in the southern rangelands of Kenya".
14. Abuom, T.O. (2006). A Master of Science degree entitled "Periparturient conditions in smallholder dairy cattle herds in Kikuyu Division of Kiambu District, Kenya".
15. Dr. Mutua, F.K (2006): A Master of Science degree entitled "An investigation of risk factors of porcine cysticercosis and human taeniosis in Teso District, Kenya".
16. Karanja, K.A. (2006): A Master of Science degree entitled "Factors associated with high calf morbidity and mortality in a dairy enterprise in Kilifi District of Kenya".
17. Kuria, J.W (2005): Master of Science degree entitled "Serological characterization and drug resistance patterns of non-typhi Salmonella isolates from hospitalized children in Nairobi, Kenya".
18. Njoroge, J.W (2004): Master of Science degree entitled "Studies on preventive and curative ethnoveterinary remedies applied by the Rendille/Ariaal and Gabra communities of Marsabit District, Kenya".
19. Lotira, A.R. (2004): Master of Science degree entitled "Participatory assessment of livestock marketing in Loima Division, Turkana District, Kenya".
20. Mochabo, K.M (2003): Master of Science degree entitled "Community participatory approaches in the epidemiology and control of trypanosomosis in camels in Turkana District, Kenya".
21. Njoroge, E.M. (2001). A PhD degree entitled "Evaluation of ultrasonographic diagnosis, treatment methods and epidemiology of cystic echinococcosis in sheep and goats".

6.0 Research interests

The epidemiology of infectious diseases and their control with emphasis on community participation in the design and implementation of disease control programmes.

2011: Developed a multidisciplinary research proposal and forwarded it for possible funding to RUFORUM.

Title: Developing capacity for participatory research and multi-sectoral approaches for managing rabies in urban counties in East Africa.

7.0 Collaborative research

7.1. 1988-1990: Assessment of the efficacy of two human rabies vaccines in the pre-exposure immunization of people against rabies using two different antibody titration methods.

Collaborating institutes:

1. Kenya Medical Research Institute (KEMRI), Nairobi, Kenya;
2. Department of Medical Microbiology, Faculty of Medicine, University of Nairobi, Kenya;
3. Institut Merieux, Lyon, France;
4. Pasteur Institute, Paris, France;
5. Department of Microbiology and Immunology, The Norwegian College of Veterinary Medicine, Oslo, Norway.

7.2. 1994: The screening of wildlife sera for rabies virus antibodies in collaboration with the National Virus Research Centre, Muguga, Kenya, and the Kenya Wildlife Services (KWS), Kenya.

8.0 Awards

1. 1992: Awarded a scholarship by the Canadian International Development Agency (CIDA) to pursue PhD studies.
2. 1983: Awarded a scholarship by the Norwegian Agency for Development (NORAD) to pursue MSc studies.

9.0 Courses attended

1. **September-December, 1991** - Introductory courses on quantitative methods in epidemiology and statistics at the University of Guelph, Department of Population Medicine, Ontario, Canada.
2. **April 26th-28th, 1993** - Rabies diagnosis at the Allerton Rabies Virus Laboratory, Pietermaritzburg, South Africa, 26th-28th April, 1993.
3. **September 1994- April, 1995** - Advanced courses on quantitative methods in epidemiology and statistics at the University of Guelph, Department of Population Medicine, Ontario, Canada.

10. Publications:

10.1 Papers published in refereed journals

1. K. A. Kiprono, J.M. Gathuma, **P.M. Kitale**, and H.K. Kiara (2011). Pastoralists' perceptions of the impact of East Coast fever on cattle production under extensive management in Northern Rift Valley, Kenya. *Livestock Research for Rural Development*, 23(6):
2. B. Bett, T.F. Randolph, P. Irungu, S.O Nyamwaro, **P. Kitale**, J. Gathuma, D. Grace, G.,

- Vale, J. Hargrove, J. McDermott (2010). Field trial of a synthetic tsetse-repellent technology developed for the control of bovine trypanosomosis in Kenya. *Preventive Veterinary Medicine*, **97**: 220 ó 227.
3. J.G. Kamau, W.O. Ogara, J.J. McDermott, **P.M. Kitala** (2010). Community-and Road-kill rabies surveillance in Kibwezi, Kenya. *Journal of Commonwealth Veterinary Association*, **26(2)**: 10 ó 16.
 4. Gachohi, J.M., Ngumi, P.N., **Kitala, P.M.**, Skilton, R.A. (2010). Estimating seroprevalence and variation to four tick-borne infections and determination of associated risk factors in cattle under traditional mixed farming system in Mbeere District, Kenya. *Preventive Veterinary Medicine*, **95**: 208 ó 223.
 5. F.D. Wesonga, **P.M. Kitala**, J.M. Gathuma, M.J. Njenga, P.N. Ngumi (2010). An assessment of tick-borne diseases constraints to livestock production in a smallholder livestock production system in Machakos District, Kenya. *Livestock Research for Rural Development*, **22(6)**: 1 -15.
 6. L. Asaava, **P. Kitala**. P. Gathura, M. Nanyingi, G. Muchemi, E. Skelling (2009). A survey of bovine cysticercosis/human taeniosis in northern Turkana District of Kenya. *Preventive Veterinary Medicine*, **89**: 197 ó 204.
 7. B. Bett, P. Irungu, S.O. Nyamwaro, G. Murilla, **P. Kitala**, J. Gathuma, T.F. Randolph, J. McDermott (2008). Estimation of tsetse challenge and its relationship with trypanosomosis incidence in cattle kept under pastoral production systems in Kenya. *Veterinary Parasitology*, **155**: 287-298.
 8. F. K. Mutua, T.F. Randolph, S.M. Arimi, **P.M. Kitala**, S.M. Githigia, A.L. Willingham, and F.M. Njeru (2007). Palpable lingual cysts, a possible indicator of porcine cysticercosis, in Teso District, Western Kenya. *J. Swine Health Prod.*, **15(4)**:206-212.
 9. M.O.K. Mochabo, **P.M. Kitala**, P.B. Gathura, W.O. Ogara, E.M. Eregae, T.D. Kaitho and A. Catley (2006). The socio-economic impact of important camel diseases as perceived by a pastoralist community in Kenya. *Onderstepoort Journal of Veterinary Research*, **73**: 269 - 274.
 10. K.O.M. Mochabo, **P.M. Kitala**, P.B. Gathura, W.O. Ogara, A. Catley, E.M. Eregae, and T.D. Kaitho (2005). Community perceptions of important camel diseases in Lapur Division of Turkana District, Kenya. *Tropical Animal Health and Production*, **37**:187- 204.
 11. **P.M. Kitala.**, J.J. McDermott., P.G. Coleman., and C. Dye (2002). Comparison of vaccination strategies for the control of dog rabies in Machakos District, Kenya. *Epidemiol. Infect.*, **129**: 215-222.
 12. **Kitala, P.M.**, Kyule, M.N. and Gathura, P.B. (2002). A survey of the level of rabies vaccination of dog populations of Machakos and Makueni Districts, Kenya. *The Kenya Veterinarian*, **23**: 30 ó 33.
 13. **Philip Kitala**, John McDermott, Moses Kyule, Joseph Gathuma, Brian Perry, and Alexander Wandeler (2001). Dog ecology and demography information to support the planning of rabies control in Machakos District, Kenya. *Acta Tropica*, **78**: 217-230.
 14. **Kitala, P.M.**, McDermott, J.J., Kyule, M.N., and Gathuma J.M. (2000). Community-based active surveillance for rabies in Machakos District, Kenya. *Prev. Vet. Med.*, **44**: 73-85.

15. **Kitala P.M.**, McDermott J.J., Kyule M.N. and Gathuma J.M. (1993). Features of dog ecology relevant to rabies spread in Machakos District, Kenya. *Onderstepoort Journal of Veterinary Research*, **60**:445-449.
16. **Kitala P.M.**, Lindqvist K.J., Koimett E., Johnson B.K., Chunge C.N., Perrin P., Olsvik O. (1990). Comparison of human immune responses to purified vero cell and human diploid cell rabies vaccines by using two different antibody titration methods. *Journal of Clinical Microbiology*, **28**: 1847-1850.

10.2 Dissertations

1. **Kitala, P.M. (1999)**. Studies in the epidemiology and control of rabies in Machakos District, Kenya. PhD thesis, University of Nairobi, Kenya.
2. **Kitala P.M. (1987)**. A rapid enzyme immunoassay for the determination of antibodies to rabies virus. MSc thesis, University of Nairobi, Kenya.

10.3 Papers in scientific conferences and workshop proceedings

1. Bett, B, Irungu, P, Nyamwaro, S, Murilla, G, **Kitala, P**, Gathuma, J, Hargrove, J, Randolph, T. and McDermott, J. (2006). Evaluation of a synthetic tsetse-repellent developed for the control of cattle trypanosomosis in Kenya. A paper submitted at the Faculty of Veterinary Medicine Biennial Scientific Conference and Exhibition, Nairobi, Kenya, 6th - 8th September, 2006.
2. Bett, B, **Kitala, P.M.** and Gathuma, J. (2006). Developing a framework for evaluating vaccination strategies against foot and mouth disease required for the establishment of disease-free zones in Kenya. A paper submitted at the Faculty of Veterinary Medicine Biennial Scientific Conference and Exhibition, Nairobi, Kenya, 6th - 8th September, 2006.
3. **Kitala, P.M**, Coleman, P.G. and McDermott, J.J. (2000). Modelling the potential importance of wildlife for rabies persistence in Machakos District, Kenya. In: *Proceedings of the Ninth International Symposium on Veterinary Epidemiology and Economics, Breckenridge, Colorado, USA*, 6-11th August, 2000.
4. Khalid, M.A.R., Gathura, P.B., Kyule M.N., Njeru, F.M., **Kitala, P.M.** and Kagiko, M.M. (2002). An assessment of the bacteriological quality of drinking water from boreholes and domestic tanks in Kikuyu Division of Kiambu District, Kenya. In: *Proceedings of the Biennial Scientific Conference, Faculty of Veterinary Medicine, University of Nairobi, Kabete, Kenya*, 5th-7th August, 1998. *The Kenya Veterinarian*, **23**: 42-43.
5. Gathura, P.B., Kyule, M.N., Kagiko, M.M., Ogara, O.W., Njeru, F.M., and **Kitala, P.M.** (2002). Review of paper entitled: "Water supply and quality control in Kenya: the past, present and future". In: *Proceedings of the Biennial Scientific Conference, Faculty of Veterinary Medicine, University of Nairobi, Kabete, Kenya*, 5th-7th August, 1998. *The Kenya Veterinarian*, **23**: 47-49.
6. **Kitala P.M.** and McDermott J.J. (1997). Epidemiology of rabies in Machakos District, Kenya. In: *Proceedings of the Fourth International Conference of the Southern and Eastern African Rabies Group, International Livestock Research Institute, Nairobi, Kenya*, 4th-6th March 1997. pp. 145-152.

7. Nzioka B.M., **Kitala P.M.**, Matere C.N. and Kyule M.N. (1997). The surveillance and management of bite wounds in Machakos District, Kenya. In: *Proceedings of the Fourth International Conference of the Southern and Eastern African Rabies Group, International Livestock Research Institute*, Nairobi, Kenya, 4th-6th March 1997. pp. 79-83.
8. **Kitala P.M.**, McDermott J.J. and Dye C. (1997). Transmission dynamics of dog rabies in Machakos District, Kenya. In: *Proceedings of the Eighth International Symposium on Veterinary Epidemiology and Economics*, Paris, France, 8th-11th July, 1997. *Epidemiol. Sante Anim.*, **31-32**: 04.04.1-04.04.39.
9. Kadohira, M., **Kitala, P.M.**, Samui, K. and McDermott, J.J. (1997). Sampling strategies for disease studies in tropical countries: examples of multi-stage cluster sampling and its application in Zambia and Kenya. In: *Proceedings of the Eighth International Symposium on Veterinary Epidemiology and Economics*, Paris, France, 8th-11th July, 1997. *Epidemiol. Sante Anim.*, **31-32**: 02.A.15.
10. **Kitala P.M.** and McDermott J.J. (1995). Population dynamics of dogs in Machakos District, Kenya: implications for vaccination strategy. In: *Proceedings of the Third International Conference of the Southern and Eastern African Rabies Group, Harare, Zimbabwe*. Edited by Bingham J., Bishop G.C. and King A.A. Fondation Marcel Merieux, Lyon. pp. 95-103.
11. **Kitala P.M.**, McDermott J.J., Kyule M.N. and Matere C.N. (1994). Investigation of rabies incidence and control by active surveillance in Machakos District, Kenya. In: *Proceedings of the Seventh International Symposium on Veterinary Epidemiology and Economics*, Nairobi, Kenya, 15th-19th August, 1994. *The Kenya Veterinarian*, **18(2)**: 528-530.
12. Alexander K.A., Smith J.S., Macharia M.J. and **Kitala P.M.** (1994). Molecular epidemiology of rabies in Kenya. In: *Proceedings of the Ninth International Conference of Negative Strand viruses*, Portugal. pp. 180.
13. **Kitala P.M.**, Lindqvist K.J., Koimett E., Johnson B.K., Chunge C.N., Perrin P. (1989). Purified vero cell rabies vaccine and human diploid cell vaccine: comparison of their efficacy in the pre-exposure immunization against rabies. In: *Proceedings of the first annual scientific conference of the Faculty of Veterinary Medicine, University of Nairobi, Kenya*. Published in a special issue of the Bulletin of Animal Health and Production in Africa. Edited by Bwangamoi O., Nguhiu-Mwangi J.A., Kan'gethe E.K., Mutungi G. and Warui C.N. IBAR Publications, Nairobi. pp. 75-78.

10.4 Papers read in scientific conferences, seminars or workshops

1. **Kitala, P.M. (2011)**. Rabies in Kenya. A paper presented at the 1st Medical and Veterinary Virus Research in Kenya Symposium, Nairobi, 8-9 September 2011.
2. **Kitala, P.M. (2010)**. Dog ecology and demography information to support planning of rabies control. A paper presented at the Kenya Veterinary Association World Rabies Day, Kwale September 27th 2010
3. **Kitala, P.M. (2009)**. Potential strategies for the improved control of rabies in Kenya: A case study in Machakos District. A paper presented at the Kenya Veterinary Association World Rabies Day, Kisumu, September 25th 2009.

4. **Kitala, P.M. (2008).** A review paper on the epidemiology, diagnosis, control and treatment of rabies. A paper presented at the Kenya Veterinary Association World Rabies Day, Mombasa, September 25th to 26th 2008.
5. Karuga R.K., Kyule M.N. and **Kitala P.M.** (1991). Prevalence of animal rabies in Kenya. Paper presented at a KARI/ISNAR workshop on Livestock Viral Disease Research, held at the National Virus Research Centre, Muguga, Kenya, 24th-28th June 1991.
6. **Kitala P.M.**, McDermott J.J., Perry B.D. and Kyule M.N. (1991). Unresolved problems and future research of rabies in Kenya. Paper presented at a KARI/ISNAR workshop on Livestock Viral Disease Research, held at the National Virus Research Centre, Muguga, Kenya, 24th-28th June 1991.
7. Lindqvist K.J. and **Kitala P.M. (1985).** Immune response of animals and man to rabies vaccinations. Paper presented at a Kenya Medical Association, Kenya Veterinary Association joint meeting on rabies held at the Serena Hotel, Nairobi, Kenya, 6th December 1985.

10.5 Other publications

1. **2011: Philip M. Kitala and John McDermott:** Rabies in rural Kenya. A chapter in a publication marking the 150th anniversary of the Ontario Veterinary College, University of Guelph, Canada. **(In Press)**
2. **2012:** Co-authored a Public Health Training Manual as part of a consultancy for FAO Somalia
3. **2012:** Part of a team tasked by FAO to develop a curriculum on Continuing Professional Development (CPD):
 - **Unit 2:** Zoonotic disease prevention/control and outbreak investigation
 - **Unit 5:** Prevention/control of veterinary inputs, residuals and antimicrobial resistance (AMR)

11 Consultancies

- **2012:** Part of a departmental team engaged by FAO Somalia to develop a Public Health Training Manual for veterinarians in Somalia
- **2012:** Part of a team engaged by FAO to develop some units in a curriculum for Continuing Professional Development (CPD)
- **2010:** Part of a team engaged by Heshimu Punda Organization (Kenya) to train their staff on data analysis and epidemiological investigations
- **1998:** Engaged by the Japanese International Cooperation Agency (JICA) to develop in conjunction with staff from the Department of Disease Control, University of Zambia, and administer a questionnaire survey to gather baseline data on traditional cattle productivity and health, and on the health and socio-economic status of cattle farmers in Monze District, Southern Province, Zambia.
- Have participated in other consultancies in the department ranging from determination of Aflatoxin levels in milk to pesticide residues in meat.

12. Peer Review

Since 2004, reviewed several articles intended for publication in the following journals:

1. The Kenyan Veterinarian;
2. Bulletin of Animal Health and Production in Africa; and
3. PLOS (deals mostly with neglected diseases in the developing world)

13. Conferences/Seminars/Workshops attended

1. **8th -9th September, 2011:** Attended the 1st Medical and Veterinary Virus Research in Kenya (MVVR-K1), held at the Silver Springs Hotel, Nairobi.
2. **13th – 15th July, 2011:** Attended a PhD Supervision Training Workshop under the Prepare-PhD Project, held at the Upper Kabete Campus, University of Nairobi.
3. **2nd – 3rd November, 2009:** Reviewerø Workshop of the Editorial Board members of the Bulletin of Animal Health and Production in Africa, held at the AU-IBAR Headquarters, Nairobi.
4. **25th - 26th September 2009:** The Kenya Veterinary Association World Rabies Day, held at the Sunset Hotel, Kisumu.
5. **September 25th to 26th 2008:** The Kenya Veterinary Association World Rabies Day, held at the Mawema Resort, Mombasa.
6. **6th - 8th September, 2006:** The Faculty of Veterinary Medicine Biennial Scientific Conference and Exhibition, University of Nairobi, Kenya, on øEmerging and Re-emerging Diseases and Environmental Challenges: The Way Forward.
7. **16th - 17th August, 2006:** Workshop on the establishment on an MSc Course on øDryland Agriculture and Rural Developmentö at the University of Nairobi, College of Agriculture and Veterinary Sciences.
8. **11th - 12th January, 2006:** A workshop on øUnderstanding and Reducing the Burden of Cysticercosis in Kenyaö, held at the International Livestock Research Institute (ILRI), Nairobi, Kenya.
9. **18th-22nd June, 2001:** The Southern and Eastern African Rabies Group/World Health Organization International Conference held at the Kalikuti Hotel, Lilongwe, Malawi.
10. **29th-31st March, 1999:** The Southern and Eastern African Rabies Group/World Health Organization International Conference on the challenges of rabies diagnosis, surveillance and control in the 21st century, held at the Entebbe Resort Beach, Entebbe, Uganda.
11. **5th-7th August, 1998:** The Biennial Scientific Conference of the Faculty of Veterinary Medicine, University of Nairobi, on building a better future for animal health in Kenya, held at the Kabete Campus, Nairobi, Kenya.
12. **8th-11th July, 1997:** The 8th International Symposium on Veterinary Epidemiology and Economics, held at the Pasteur Institute, Paris, France.
13. **18th-23rd May, 1997:** The Canadian University Consortium for Health in Development/ Uganda Protestant Medical Bureau workshop on "Health Research for Development", held at the Colline Hotel, Mukono, Uganda.

14. **4th-6th March 1997:** The Southern and Eastern African Rabies Group/World Health Organization International Conference on the epidemiology and control of rabies, held at the International Livestock Research Institute (ILRI), Nairobi, Kenya.
15. **3rd March 1997:** The Southern and Eastern African Rabies Group/World Health Organization Pre-conference Course on improving rabies control programmes in the field, held at the International Livestock Research Institute (ILRI), Nairobi, Kenya.
16. **2nd August 1995:** A Nairobi Cluster/Kenya Rabies Group Seminar on the epidemiology of rabies, held at the National Museums of Kenya, Nairobi, Kenya.
17. **16th-19th November 1994:** The 5th Annual International Meeting on Rabies in the Americas- coping with invading rabies epizootics, held at the Skyline Brock Hotel, Niagara Falls, Ontario, Canada.
18. **15th-19th August 1994:** The 7th International Symposium on Veterinary Epidemiology and Economics, held at the Safari Park Hotel, Nairobi, Kenya.
19. **23rd June 1994:** The Nairobi Cluster Symposium on parasitic infections in humans and animals- new diagnostic techniques and their application, held at the National Museums of Kenya, Nairobi, Kenya.
20. **3rd-5th May 1993:** The Southern and Eastern African Rabies Group Workshop on Rabies in Southern and Eastern Africa, held at the Faculty of Veterinary Science, University of Pretoria, Onderstepoort, South Africa.
21. **29th-30th April 1993:** The Southern and Eastern African Rabies Group Rabies Symposium, held at the Synodal Centre, Pietermaritzburg, South Africa.
22. Seminar on the current status of rabies in Kenya, held at the International Laboratory for Research on animal Diseases (ILRAD), Nairobi, Kenya, **20th April 1993.**
23. **11th-13th September 1991:** Symposium on control of rabies in Americas, held at the Animal Disease Research Institute, Ottawa, Canada.
24. **12th-16th August 1991:** The 6th International Symposium on Veterinary Epidemiology and Economics, held at Carleton University, Ottawa, Canada.
25. **24th-28th June 1991:** Review Workshop on Livestock Viral Disease Research, held at the National Virus Research Centre Muguga, Kenya.
26. **19th-21st September 1990:**The Annual Scientific Conference of the Faculty of Veterinary Medicine, University of Nairobi, on veterinary research and animal management, held at the Kabete Campus, Nairobi, Kenya.
27. **20th-22nd September 1989:** The Annual Scientific Conference of the Faculty of Veterinary Medicine, University of Nairobi, on veterinary education, animal health and productivity in the next decade and beyond, held at the Kabete Campus, Nairobi, Kenya.
28. **November 1988:** The Scientific Meeting of the Kenya Veterinary Association on the epidemiology and control of rabies and other zoonotic diseases, held at the International Laboratory for Research on Animal Diseases (ILRAD), Nairobi, Kenya.
29. **6th December 1985:** The Kenya Medical Association, Kenya Veterinary Association joint meeting on rabies, held at the Serena Hotel, Nairobi, Kenya.
30. **26th-30th September 1983:** The International Conference on the application of ruminant immunology to the control of bovine diseases, held at the International Laboratory for Research on animal Diseases (ILRAD), Nairobi, Kenya.

14. Visits to other laboratories/institutes

1. **January 21-March 21, 1998:** Worked as a short-time JICA Expert at the School of Veterinary Medicine, Department of Disease Control, University of Zambia. During this period, I taught Veterinary Public Health to 5th and 6th year veterinary students. I also designed and conducted a questionnaire survey to gather baseline data on traditional cattle productivity and health, and on the health and socio-economic status of cattle farmers in Monze District, Southern Province, Zambia.
2. **May, 1995:** Visited for two weeks the Animal Disease Research Institute (ADRI) in Ottawa, Canada. Did monoclonal antibody typing of rabies virus isolates.
3. **August-September, 1994:** Visited the London School of Hygiene and Tropical Medicine, London, U.K., where I worked on the development of a dog rabies model describing transmission dynamics of the disease and control options.
4. **May-August, 1988:** Visited the Kenya Trypanosomiasis Research Institute (KETRI) in Muguga, Kenya, where I prepared immunological reagents for the diagnosis of trypanosomosis in primates.

15 Outreach activities

Have participated in the organization and implementing of vaccination campaigns against rabies in various parts of the country including Kilifi (2008), Funyula in Busia (2009), Kwale (2010), and in Machakos (2011).

16. Associations and other responsibilities

1. **2010:** Appointed Head of Public Health Section of the Department of Public Health, Pharmacology and Toxicology.
2. **2009 :** Assistant Chairman, Faculty Postgraduate Studies Committee
3. **1983 to date:** Registered Veterinary Surgeon, Kenya Veterinary Board (KVB) and a Member of the Kenya Veterinary Association (KVA)
4. **2006:** Member of the CAVS Committee on the development of a research policy for the University of Nairobi.
5. **1995 to date:** Departmental coordinator of the examinations of the Certificate in Meat Inspection for the Meat Training Institute, Athi River.
6. **2007:** A member of a Departmental Committee developing a Diploma Course in Meat Technology and Veterinary Public Health for the Meat Training Institute, Athi River.
7. **1993-2005:** Member of the Permanent National Standing Committee on Rabies in Kenya.
8. **1995-1997:** Chairman of the Southern and Eastern African Rabies Group.
9. **1995-1997:** Chairman of the National Organizing Committee of the Southern and Eastern African Rabies Group/World Health Organization International Conference on the epidemiology and control of rabies, held at the International Livestock Research Institute (ILRI), Nairobi, Kenya, 4th-6th March 1997.
10. **1997:** Co-facilitator of the Southern and Eastern African Rabies Group/World Health

Organization Pre-conference course on improving rabies control programmes in the field, held at the International Livestock Research Institute (ILRI), Nairobi, Kenya, 3rd March 1997.

11. **1997:** Co-editor of the Proceedings of the Fourth International Conference of the Southern and Eastern African Rabies Group, Nairobi, Kenya.
12. **1993:** Member of the Organizing Committee of a one-day seminar on the current status of rabies in Kenya, held at the International Laboratory for Research on animal Diseases (ILRAD), Nairobi, Kenya, 20th April 1993.
13. **1990-1993:** Member of the Kenya Veterinary Association subcommittee on rabies.
14. **2003 - 2007:** A member of the WHO Expert Advisory Panel on Rabies.
15. **2006 – 2008.** A member of the Pre-centre Research Advisory Committee at the Veterinary Research Centre (KARI Muguga-North).

17. Referees

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