



CURRICULUM VITAE

PERSONAL BACKGROUND

NAME Eric Simon Ochola Mitema

NATIONALITY Kenyan

MARITAL STATUS Married with three children

DATE OF BIRTH December 21st, 1951

PLACE OF BIRTH Kisumu, Kenya

RELIGION Christian (Protestant)

PROFESSION Veterinary Doctor

BUSINESS ADDRESS Faculty of Veterinary Medicine,
Department of Public Health, Pharmacology and
Toxicology,
University of Nairobi,
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Nairobi, Kenya
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EDUCATIONAL BACKGROUND

School/College/University & Year	Certificate/Diploma/Degree
University of Nairobi 1984	Ph.D.
Kansas State University 1977-78	M.S.
University of Nairobi 1972-76	B.V.M. (D.V.M. equivalent)

Languages Swahili and English

WORKING EXPERIENCE/CAREER DEVELOPMENT/POSITIONS

2011 August ó Current	Member, Expert Scientific Advisory Committee (ESAC) for the Board of management of the Consortium of National Health Research (CNHR)
2011 April óCurrent	Director, Board of Management of National Quality Control Laboratories, Ministry of Health, Kenya
2007 Nov- Current	Director, Centre for International programmes and Links
2005 July ó Nov, 2007	CAVS representative as a board member at the Centre for Intl. programs and linkages
2002 Sept, 2002 ó March 2003	Visiting scientist position at the Centre for Veterinary Medicine (CVM) at the United States, Food and Drug Administration (FDA). Attached to Epidemiology division in the Office of Surveillance and Compliance
1997 March - current	Professor, Veterinary pharmacology and Toxicology
992 July - July 1998	Chairman, Dept of Public Health, Pharmacology & Toxicology
1992 April - March 1997	Associate Professor of Pharmacology and Toxicology
1987 Sept. - April 1992	Senior Lecturer in Pharmacology & Toxicology.
1986 July - June 1987	Visiting Associate Professor of Toxicology and Pharmacology at the College of Veterinary Medicine, Oklahoma State University, USA.
1979 January - 1987	Lecturer in Pharmacology and Toxicology in the Department of Public Health, Pharmacology and Toxicology, Faculty of Veterinary Medicine, University of Nairobi.
1976 -1978	Assistant Lecturer of Pharmacology and Toxicology in the Department of Public Health, Pharmacology and Toxicology, University of Nairobi.

Key qualifications at the University of Nairobi and beyond

1. Previous chairman for six years
2. Previous Senate Member
3. Professor of the University of Nairobi since 1997
4. Member of CAVS College Academic Board
5. Vast experience in research activities
6. Currently the Director, Centre for International Programmes and Links
7. External examiner at Sokoine University of Agriculture, Tanzania and Makerere University, Uganda
8. Reviewer of many scientific online journals

Professional Societies and Activities in Civic, Public or International Affairs

1. Member of the Kenya Veterinary Association.
2. Full Elected Member of the American Academy of Clinical Toxicology (AACT).
3. Member of the National Drug Registration Committee from 1984 to 2004.
4. Chairman, Drug Registration Committee (Vet) of the Pharmacy and Poisons Board of Kenya from June 1994 to 2004
5. Kenya Veterinary Association Executive Committee Member, April 1985 to April 1986.
6. Former member of the Committee of Nairobi International Show (1986 - 1989).
7. WHO Expert Committee Member on Veterinary drug residues in food (Jan 1995 to current) i.e. Member of the JECFA.
8. Coordinator for FAO on the African risk analysis of veterinary drug residues in food of animal origin (Nov, 1999)
9. WHO Temporary advisor on the "Global Draft on the Strategies for the Containment of Antimicrobial resistance (Jan. 2000 - June, 2000)"
10. Coordinator of the 2nd. SEAVDRAC meeting held in Nairobi, April. 2000
11. WHO temporary advisor on Expert Consultation on Global Principles on Antimicrobial resistance Containment in Food Animal, Geneva, 5-9th. June, 2000. Served as Co-chair in the meeting.
12. WHO Temporary advisor on Antimicrobial Usage Monitoring in Food Animals for the Protection of Human Health, Oslo, Norway, 10-13 September, 2001
13. U.S. Intergovernmental Consultant on Antimicrobial Usage, San Diego, CA, USA, Sept. 24-25th, 2002
13. WHO International Expert working group on review and drafting of Danish Antimicrobial usage, Nov. 19th 2002- June, 2003
14. WHO Expert Member on AGISAR since 2009 to current

TEACHING RESPONSIBILITIES

1. 1979 to current, responsible for teaching professional Veterinary students Pharmacology and Toxicology JPT 371 and 471 at the University of Nairobi Veterinary School.
Post graduate courses taught since 1988:
 1. APT 500 / Principles and methods of pharmacology and toxicology
 2. APT 502 APT/ Advanced pharmacology and therapeutics
 3. APT 505/ Principles of scientific communications
 4. APT 503/ Advanced toxicology
2. 1986 - 1987
 - (i) Responsible for teaching principles of Pharmacology to professional veterinary students at Oklahoma State University, USA.
 - (ii) Responsible for teaching antibiotics to veterinary students at Oklahoma State University, USA.
 - (iii) Course Co-ordinator and instructor for veterinary toxicology to professional students at Oklahoma State University, USA.

CONSULTATION AND EXTENSION

Many consultancies have been undertaken

Consultancy Prospectus

1. Agro-chemical and drug residue evaluation.
2. Environmental assessment for chemicals.
3. Livestock appraisal projects-development and disease factors.
4. Agro-industrial projects.
5. Chemical safety evaluation in food (including toxicological studies).
6. Community based training programs and poverty reduction
7. Clinical efficacy trials and toxicological safety assessments
8. Other consultancies undertaken for the following organisations: World Health Organisation, FAO, Bayer, Norbrook Labs, GalvMed etc

CURRENT RESEARCH INTERESTS

1. Antimicrobial use data surveillance in food animals and human (WHO funding, completed)
2. Phenotype and genetic characterisation of antimicrobial resistance among zoonotic bacteria in Kenya (WHO funding, on going project)
3. Microbial and chemical risk analysis in food

KEY CONFERENCES ATTENDED

Many conferences have been attended of which some of them are highlighted:

1. 1977 January- Colorado Veterinary Medical Association at Fort Collins, Colorado, USA.
2. 1977 July 7- Annual American Veterinary Medical Association (AVMA) at Atlanta, GA, USA.
3. 1981 August AACT/AAPCC/ABMT Annual Scientific Meeting, Salt Lake City, Utah, USA.
4. 1982 February Third KEMRI/KETRI Conference, Nairobi, Kenya.
5. 1982 August International Conference of Clinical Toxicology, Denver, Colorado, USA.
6. 1983 April Annual Scientific Conference for Kenya Veterinary Association, Kabete, Kenya.
7. 1983 Oct. The Nairobi Cluster Scientific Meeting, ILRAD, Kabete, Kenya.

8. 1984 April Annual Scientific Conference for Kenya Veterinary Association, Kabete, Kenya.
9. 1984 June First International Symposium on Mathematical Liver Dye Excretion, Bratislava, Czechoslovakia.
10. 1985 August AACT/AAPCC/ABMT Annual Scientific Meeting, Kansas City, MO., USA.
11. 1986 May - Second World Congress on Food-borne Infection and Intoxications, West Berlin, West Germany.
12. 1989 March - Scientific Conference for Kenya Veterinary Association, Njoro, Kenya.
13. 1989 March - Workshop on Ecology and socio-economy of Mount Kenya area, Nanyuki, Kenya.
14. 1988 April - Annual Scientific Conference for Kenya Veterinary Association, ILRAD, Kabete, Kenya.
15. 1989 April - Veterinary Hemoparasitic Research Workers Conference, St. Louis, Mo., USA.
16. 1990 May - World Federation of Assoc. of Clinical Toxicology and Poison Control Centers, Louxeburg, LX.
17. 1992 September - AACT/ABMT/CAPCC, Annual Scientific Conference. Tampa, FL, USA.
18. 1993 August - Int. Forensic Scientific Conference, Dusseldorf, Germany.
19. 1994 May - 7th International Technical Consultation on Veterinary Drug Registration meeting in Paris, France.
20. 1996, September 10th-13th 8th ITCVDR meeting Prague, Czech Rep.
21. 1996 Dec. 3-6th Tanzania Vet. Assoc. Annual Scientific Conference, Arusha, Tanzania.
22. 1997 July 6-10th, 7th Int. EAVPT Congress, Madrid Spain.
23. 1997 Aug 22-30th, World Poultry Association Conference, Budapest, Hungary.
24. 1998 April, Kenya Veterinary Association Annual Scientific Conference.

25. 1999 March, International Technical Consultation on Veterinary Medicinal Products (ITCVMP), Hanoi, Vietnam.
26. 2000 July, Faculty of Veterinary Medicine Biannual Scientific Conference, Faculty of Veterinary, Kabete Campus, University of Nairobi
27. 2000 July - SEAVDRC 2000 Meeting, Nairobi, Kenya
28. 2004 September - World Conference on Drug of Antinfectives, Nurnberg, Germany
29. 2004, October - Minor Species Minor Use Workshop, Rockville, MD USA
30. 2010, June- WHO AGISAR Workshop, Guelph, Canada
31. 2011, June, WHO AGISAR Workshop, Oslo, Norway
32. 2012, June WHO AGISAR Workshop, Aix en Provence, France

SCHOLARSHIPS/MERITORIOUS OR FELLOWSHIP AWARDS

1. 2010 and 2012 ó Awarded jointly with other European universities Mundus ACP Programme for scholarship mobility
2. 2008 Jan- Awarded EC funding in developing of curriculum
3. 2006 June ó Awarded Bronze medal for expert service offered to FAO/WHO JECFA at its 50th anniversary
4. 2003 April ó Awarded DAAD scholarship to supervise one of my PhD students at the Dresden University
5. 2005 April ó Awarded DAAD scholarship to supervise one of my PhD students at the Hannover University
6. 1976-1978 Awarded USAID scholarship for graduate studies at Kansas State University, USA.

RESEARCH GRANTS

1. 1980 Awarded NCST (Kenya) Research Grant No. NCSR/ SEC/4400.21.
2. 1980 Awarded University of Nairobi Deans' Committee Research grant number 670-542.
3. 1980-84 Partial recipient of Norwegian Agency for International Development (NORAD) grant to investigate Quinuronium toxicities.
4. 1983-1985 Recipient of grant from Pyrethrum Board of Kenya.

5. 1985-1987 Recipient of Kenya National Academy of Sciences Grant to investigate possible heavy metal toxicity to fish in Lake Victoria.
6. 1988-1990 Partial recipient of Norwegian Agency for International development (NORAD) to undertake various studies.
7. 1993 DAAD grant for Oxytetracycline residue analysis
8. 1998 University of Nairobi, Deans Research grant No.
9. 2000 WHO grant to study antimicrobial Consumption in Food Animals
10. 2001 Ceva grant to study zoonotic antimicrobial resistance surveillance in Kenya
11. 2002 WHO grant to conduct surveillance of antimicrobial use data in humans in Kenya
12. 2004, Fort Dodge Animal Health grant to study efficacy of moxidectin formulations in sheep and cattle
13. 2005 Ceva Animal health, Gant to study mineral deficiencies in natural pasture Grasses
14. 2008 Awarded EU-ACP- Edulink grant for curriculum development

PUBLICATIONS

A: Thesis / Dissertation

1. **Mitema, E.S.** (1984). Pharmacology and toxicologist studies on babesicidal drugs with special emphasis
2. **Mitema, E.S.** (1978). Effects of chronic lead exposure on the hematology, blood glutathione and bone marrow of dogs. M.S. Thesis, Kansas State University, Manhattan, USA on Quinuronium. Ph.D. Thesis, University of Nairobi.

B: Book Chapter

1. **Mitema, E. S.** (2010). The role of unregulated sale and dispensing of antimicrobial agents on the development of antimicrobial resistance in developing countries. In: Antimicrobial resistance in developing countries, A. .de J. Sosa edit. Springer, NY, p403-411

Refereed Journal articles

1. Kikuvi, G. M. and Mitema, E. S.(2010). Serotypes and antimicrobial resistance of salmonella isolates from pigs at slaughter in Kenya. JIDC
2. **Mitema, E. S. (2009).** Improved management of drugs, hormones and pesticides in Africa. Onderstepoort J Vet Res 76: 155 - 159

3. **Kikuvi, G. M, Ombui, J. N, Mitema, E. S, Schwarz, S and Kehrenberg, C (2008). Linked plasmid-borne streptomycin and sulphonamide resistance genes in *Escherichia coli* from food animals in Kenya. *Bulletin An. Hlth: 56, 56-66***
4. **Kikuvi, G. M.; Schwarz, S.; Ombui J. N. ; Mitema E. S and Krehrenberg. K (2007). Streptomycin and chloramphenical resistance genes in *Escherichia coli* from cattle, pigs and chicken from Kenya. *Microbial Drug Res. 13 (1), p***
5. **G. M. Kikuvi. Ole-Mapenay, I. M. Mitema, E. S. Ombui J. N. (2006). Antimicrobial resistance in *Escherichia coli* isolates from cattle, swine and chickens in Kenya. *I. Vet J***
6. **Junga, J. O., Mitema, E.S., Gutzeit, H. O. (2005). Establishment and comparative analyses of different culture conditions of primary hepatocytes from Nile tilapia (*O. niloticus*) as a model to study stress induction in-vitro. *In Vitro Cellular Developmental Biol (Animal): 41: 1 - 6***
7. **Ole-Mapenay, I. M., Kikuvi, G. M., Mitema, E. S. and Ombui, J. N. (2008). Antibiotic resistance of *Echerichia coli* isolated from healthy food animals in Kenya. *Ken Vet. J (Proc. / Submitted)***
8. Junga, J. O., **Mitema, E.S.**, Gutzeit, H. O. (2005). Heat shock affects attachment and proliferation of in vitro Nile tilapia primary hepatocytes. *JCB (Submitted)*
9. Junga, J. O., **Mitema, E.S.**, Gutzeit, H. O. (2005). Heat shock and heavy metal induce HSP70 expression in vitro. *Ecotoxicol Environ Safety J.*
10. Gikunju, J. K. , Maitho, T. E. , **Mitema, E. S.** and Mugeru, G. M. (2004). Fluoride levels in water, animal feeds, cow milk from Kiambu and Thika districts in Kenya. *Ken Vet 27: 65 - 72*
11. Mbithi, P. M. F. and **Mitema, E. S.** (2005). The ability of phenylbutazone and dexamethasone to modulate postoperative phenomena in cattle. *Ken Vet J. 28: 29 32*
12. **Mitema, E. S. and Kikuvi, G. (2004). Surveillance of overall use of antimicrobial drugs in humans over a five – year period (1997 – 2001) in Kenya. *J. Antimic Chemother 54 (4): 966 -67***
13. **Mitema, E. S. (2004). Prudent use of veterinary drugs: Impact of safe animal products for increased activity. *Ken Vet J. 27: 1-2***

14. **Mitema, E. S.** (2002). Good procedures in conducting biomedical research. *Ken Vet. J* 23: 31 -32
15. **Mitema, E. S.** and Kamau, J. (2002). Antibacterial activity of isometamidium (Veridium®). *Ken Vet. J.* 23: 89 - 91
16. Olila, D., McDermott J., Eisler E., **Mitema, E. S.** et al (2002). Drug sensitivity of trypanosome populations in a peri-urban dairy production in Uganda. *Acta Tropica* 84: 1930
17. **Mitema, E. S. Kikuvi, G. M., Wegener, H.C. and Stohr K.** (2001). An assessment of antimicrobial consumption in food producing animals in Kenya. *J. Vet. Pharmacol. Ther* 24: 385
18. **Muruiki, F.K. Ogara, W.O. Njeruh F.M. and Mitema, E.S.** (2001). Tetracycline residue levels in cattle meat from Nairobi slaughter house in Kenya. *J. Vet. Sci.* 2 (2): 97 -101
19. Kikuvi, G. M. **Mitema, E.S.** and I Buoro (2001). The Pharmacokinetics of a long-acting oxytetracycline formulation in healthy dogs and in dogs infected with *Ehrlichia canis* Vet. Res. Comm. 25: 391-400
20. Kikuvi, G. M., **Mitema E.S.** and I. Buoro (1999). Treatment of experimental canine ehrlichiosis with along acting oxytetracycline- formulation. Proc. CVA/KVA Regional Conference. Ken. Vet. 24S: 85-89.
21. Mbaria, J.M.; Maitho; **Mitema, E.S.** and Muchiri, D.J. (1998) Comparative efficacy of pyrethrum marc with albendazole against sheep gastrointestinal nematodes. *Top. Anim. Hlth-Prod.* 30: 17-22.
22. Ole-Mapenay, I.O, Mitema, **E.S.** and Maitho, T.E. (1997). Pharmacokinetics of doxycycline in healthy and pneumonic goats. *Vet. Res. Comm.* 21 (6): 453-462.
23. Mukhwana, E.J. and **Mitema, E.S.** (1997). Comparative efficacy of three anthelmintics against mixed gastrointestinal nematode infections in camels. *Trop. Anim. Hlth. Prod.* 29 (2): 99-101.
24. **Mitema, E.S.** and Kitaa, J.N.A. (1997). The effects of anti-arrhythmic drugs verapamil, lidocaine and propranolol on some cardiovascular and biochemical parameters in induced arrhythmias in dogs. *J. Vet. Pharmacol Ther.* 20 (S1): 250-251.
25. Mukhwana, E.J. and **Mitema, E.S.** (1997). Gastrointestinal Helminths of camels (*Camelus dromedarius*) in Northern Kenya. *Bull. An. Hlth. Afr.* 43: 215-217

26. Ole-Mapenay, I.O. and **Mitema, E.S.** (1996) Efficacy of doxycycline in goats experimentally infected with *Pasteurella haemolytica*. *J. S. Afr. Vet. Ass.* **68 (2)**: 55-58.
27. Oluka, M.O; **Mitema, E.S.**, Kibwage, I. Kwasa, T.O. and Kokwaro, G.O. (1996) A comparative bioavailability of four carbamezapine tablet formulations available in the Kenyan market. *E. Afr. Med. J.* **73 (5)**: 323-326.
28. Ole-Mapenay, I. and **Mitema, E.S.** (1995). Some pharmacokinetic parameters of doxycycline in East African goats after intramuscular administration of a long acting formulation. *Vet. Res. Comm.* **19 (5)**: 425-432.
29. Okongo-Odera, E.A., **Mitema, E.S.**, Koech, D.K. and Orago, A.S.S. (1995) Cross reactive studies in visceral leishmaniasis comparison of antigens of some leishmania species in Kenya. *Af. J. Hlth Sc.* **2 (2)**: 304-308.
30. Kitaa, J. and **Mitema, E.S.** (1994). Effects of antiarrhythmic drugs (verapamil, propranolol and lidocaine) on electrocardiogram and haematology in adrenaline induced arrhythmias in dogs anaesthetised with halothane. *Br. Vet. J.* **150 (4)**: 365-376.
31. Omija, B., **Mitema, E.S.**, and Maitho T.E. (1994). Oxytetracycline levels in chicken eggs after administration of medicated drinking water to laying chickens. *Food Addit Contam.* **11 (6)**: 641 - 647.
32. Ngethe, S.; Horsberg, T.E.; **Mitema, E.S.** and Jugebrigtsen (1993). Species differences in hepatic concentration of orally administered 3H-AFB1 between rainbow trout (*Oncorhynchus mykiss*) and tilapia (*Oreochromis niloticus*). *Aquaculture.* **114**: 355-358.
33. Kariuki, S.M. Olsvik, O. **Mitema, E.S.**; Gathuma, J.M. and Mirza N. (1993). Acquired tetracycline resistance genes in Nosocomial *Salmonella typhimurium* infection in a Kenyan Hospital. *E. Afr. Med. J.* **70**: 255-258.
34. Githure, J.I.; Hey, A.S.; Were, J.B.O.; Koech, K.; **Mitema, E.S.** and Kharazuni, A. (1993). Field application of an elisa using redefined leishmania antigen for the detection of visceral leishmaniasis. *Trans. Roy. Soc. Trop. Med Hyg.* **87**: 423-424.
35. **Mitema, E.S.**; Kocan, A.A.; Mukolwe, S.; Sangiah, S. and Sherban, D. (1991). Activity of buparvaquone (BW 720C) against *Theileria cervi* in white tailed deer. *Vet. Parasitol.* **38**: 49-53.
36. **Mitema, E.S.** and Gitau, F.K. (1990). Organochlorine residues from Nile perch fish from Lake Victoria. *Afr. J. Ecol.* **28**: 234-239.
37. **Mitema, E.S.** (1989). Use of drugs in urinary tract infections. *Ken. Vet.* **13**: 39.

38. **Mitema, E.S.;** Sangiah, S. and Martin, T. (1988). Effects of some calcium modulators on monensin toxicity. *Vet. Human Tox.* **5:** 409-413.
39. **Mitema, E.S.** and G.J.O. Agumba (1987). Choosing an intramammary anti-biotic to treat mastitis. *Vet. Med.* **82:** 930-932.
40. **Mitema, E.S.** (1985). Comparative studies on the effect of Quinuronium and diminazene on biochemical parameters in sheep. *Vet. Hum. Toxicol.* **27:** 539-543.
41. **Mitema, E.S.** (1985). Quinuronium levels in ovine plasma as determined by in vitro / in vivo model system using *Babesia rodhaini*. *Arch. Int. Pharmacodyn.* **276:** 12-16.
42. **Mitema, E.S. & Maribei, J.M.** (1985). Quinuronium induced hepatotoxicity in rats. *Toxicol. Lett.* **24:** 53-58.
43. **Mitema, E.S.** (1985). Cytologic response of dogs to weekly bone marrow collection. *Vet. Med.* **80:** 37-38.
44. **Mitema, E.S.;** Nafstad, I. and Maribei, J.M. (1984). Acute toxicity studies with Quinuronium sulfate in laboratory animals and sheep. *Toxicol. Lett.* **20:** 69-74.
45. **Mitema, E.S.** and Masha, J.B. (1984). Organophosphate poisoning in cattle. A report on clinical cases. *VM/SAC.* **79:** 69-74.
46. **Mitema, E.S.** And Musewe, V.O. (1984). Effects of chronic chloramphenicol administration on weight gains and serum cortisol levels in calves. *Br. Vet. J.* **140:** 437-443.
47. **Mitema, E.S.;** Nafstad, I. and Frosliie, A. (1983). Effects of quinuronium sulfate pre-exposure on hepatic excretion of sulfobromophthalein (BSP) as measured by isolated perfused rat liver. *Acta Pharmacol. Toxicol.* **53:** 44-48.
48. **Mitema, E.S.** (1982). Effects of chronic chloramphenicol administration on the bovine hematology and bone marrow. *Vet. Hum. Toxicol.* **24 S:** 162-166.
49. **Mitema, E.S.** (1982). The influence of Quinuronium sulfate on Serum Glutamic Oxaloacetic transaminase (SGOT) in cattle. *Acta Vet. (Beograd)* **32:** 307-312.
50. **Mitema, E.S.;** Oehme, F.W.;; Penumarthy, L. and Moore, W.E. (1980) The effect of chronic lead on the canine bone marrow. *Am. J. Vet. Res.* **40:** 682-685.
51. **Mitema, E.S.;** Oehme, F.W. and Penumarthy, L. (1980). The effect of chronic lead of hematology, blood glutathione and bone marrow non-heme iron on dogs. *Acta Pharmacol. Toxicol.* **46:** 250-256.

52. **Mitema, E.S.** (1980). A review of lead poisoning in dogs. *Ken. Vet.* **4**: 13-15.

D: Refereed Abstracts / Conference Proceeding Articles

53. **Mitema, E.S.** (1982). The use of antibiotics and hormones in meat production. Paper read at the 1982. Annual Kenya Veterinary Association Scientific Conference.

54. **Mitema, E.S.** and Kihinda, M.N. (1983). A fatal case of paraquat poisoning. *Abstract No. B-9, Vet. Hum. Toxicol.*

55. **Mitema, E.S.** (1984). Determination of liver function using bromophthalein excretion in an in vitro study. *Proc. 1st Int. Symp. Math. Mod. Liver Dye Excr.* Smolenice Bratislava, June 19-22., p 76-79

56. **Mitema, E.S.** (1985): Antibiotic residues in animal products: Overview. paper presented at the 1985 Annual Scientific Conference of the Kenya Veterinary Association.

57. **Mitema, E.S.** (1985): Chemotherapy of babesiosis, VIII Int. Cong. Protozool. Nairobi, Kenya, 1985. Abstract No. 140, p. 88.

58. **Mitema, E.S.** (1986): Determination of the prevalence of aflatoxin in feed samples. *Proc. 2nd World Congress Food borne Infections and Intoxications Vol.II,* p915, West Berlin.

59. **Mitema, E.S.,** Kocan, A.A., Mukolwe, S.W., Sangiah, S. and Sherban, D. (1989). In vitro and in vivo activity of parvaquone BW (720c) against *Theileria Cervi* in white-tailed deer. *Proc. VIIIth Nat. Vet. hemoparasite Disease Conf., St. Louis, No.,* p 211-222.

60. **Mitema, E.S.** and Omukoolo, L.c. (1990). A survey of some heavy metals in fish and water from lake Victoria. *Proc. Intern Congress on Clinical Toxicol., Poison Central and Analytical Toxicol. (LUX Tox' 90),* Luxembourg, P536.

61. **Mitema, E.S.** Omija, B. (1992). Determination of oxytetracycline residue levels in chicken eggs using microbial method. *Proc. 3rd World Food borne Infections and Intoxications,* Berlin Germany.

62. **Mitema, E.S.** (1993). The status of diagnostic clinical toxicology in forensic medicine in Kenya. *Proc. of IF.S. Dusseldorf, Germany.* Abstract No. 26/9/00/2D p. A79.

63. **Mitema, E.S.** (1993). Chemotherapy of contagious bovine pleuropneumonia using quinoline carboxylic acid, tylocin and doxycycline. *Proc. Pan African symposium on Mycoplasma.* Harare, Zimbabwe.

64. **Mitema, E.S.,** A. Ngomuo and Muriuki D.G. Comparative efficacy of the various generic

albendazole preparation (wormita R) with the innovater (valbazenR) preparation in the treatment of helminthosis. Tanzania Vet. Association meeting Dec. 1996, Arusha, Tanzania.

65. **Kikuvi, G. M.**, Kerenberg, C., Schwarz, S., Mitema, E. M. and Ombui, J. N. (2004) Molecular characterisation of streptomycin resistance in *Echerichia coli* isolate from food animals in Kenya. Proc.

E: Other publications

66. Gombe, S.; Oduor-Okelo, D. and **Mitema, E.S.** (1986a). Percutaneous toxicity of pyrethrum in New Zealand white rabbits. Commissioned study for Pyrethrum Board of Kenya.
67. Gombe, S.; Oduor-Okelo, D. and **Mitema, E.S.** (1986b). Acute inhalation toxicity of pyrethrum in Winstar rats. Commissioned Study for Pyrethrum Board of Kenya.

F: Other miscellaneous publications, seminar papers, occasional papers, continuing education papers, etc.

68. **Mitema, E.S.** (1988). Disposition of antibiotics in the bovine uterus. Paper presented at the Kenya Veterinary Assoc. Annual Scientific Conference, Kabete, Kenya April, 1988.
69. **Mitema, E.S.** (1990). Livestock production and constraints in Mount Kenya area. Pro.Intarnl. Workshop on Ecology and Socio-economy of Mount Kenya area, Nanyuki, Kenya. African series A8 P121-122.
70. **Mitema, E.S.** (1989). Use of drugs in urinary tract infections. Paper read at KVA Scientific meeting, Njoro, Kenya.
71. **Mitema, E.S.** (1989). Registration of drugs in Kenya. Paper read at Central Region Kenya Veterinary Association Meeting, Nyeri, Kenya.
72. **Mitema, E.S.** (1991). Drugs with registration problems; Overview. Paper read at a consultative workshop on Drug Registration Nyeri, Kenya.

CURRENT RESEARCH UNDERWAY

1. Antimicrobial use surveillance and resistance monitoring

POSTGRADUATE COURSES OFFERED

1. Advanced Pharmacology and Therapeutics
2. Principles of Scientific Communication
3. Principles and Methods of Pharmacology & Toxicology

4. Advanced Toxicology
5. Pharmaco epidemiology of antimicrobial use ó current issues

POSTGRADUATE SUPERVISION

Master of Science	Remarks
1. Dr. J. Kitaa	Completed
2. Dr. S. Muigai	Completed
3. Dr. B. Omija	Completed
4. Dr. N. Kivuvo	Completed
5. Dr. S. Kariuki	Completed
6. Dr. E.J. Mukhwana	Completed
7. Dr. M.Oluka	Completed
8. Dr. I. Mapeney	Completed
9. Miss. Alice Karuri	Completed
10. Mrs. J.M.A. Khazenzi	Completed
11. Miss B.A. Otieno	Completed
12. Dr. Mwangi	Completed
13. Dr. Kikuvi	Completed
14. Dr. Nguta	Completed
15. Dr. Dominic Murethi	Completed

Doctor of Philosophy	Remarks
1. Dr. P. Mbithi	Completed
2. Mrs. E.A. Odera	Completed
3. Dr. D. Olila	Completed
4. Dr. Mbaria	Completed
5. Dr. Gikunju	Completed
6. Mr. J. Owiono Junga	Completed
7. Dr. Kikuvi	Completed
8. Dr. Mapenay	Completed
9. Dr. M. J. Oguna	Underway

Updated on July, 2012

Eric S. Mitema, BVM, MS, PhD