

CURRICULUM VITAE 2010

PERSONAL DETAILS

Postal address	Department of Public Health, Pharmacology and Toxicology University of Nairobi, Faculty of Veterinary Medicine, College of Agriculture & Veterinary Sciences, P.O. Box 29053-00625 Kangemi, Nairobi,
Email	james.mbaria@uonbi.ac.ke
Telephone	0722-639977
Nationality	Kenyan
Sex	Male
Age	48 years
Profession	Veterinarian
Employer	University of Nairobi
Designation	Senior Lecturer
Working experience	21 years
Marital status	Married with three children
Religion	Christian
Languages	English, Kiswahili

SUMMARY

I am a holder of Bachelor of Veterinary Medicine (BVM), Master of Science (MSc) and Doctor of Philosophy (PhD). I have 21 years teaching experience at diploma, undergraduate and postgraduate levels. I have experience in research projects execution, University consultancy services, scientific publications and extension service provision including community participatory approaches. My teaching experience has been in biomedical technology, veterinary medicine, pharmacy, Biochemistry, food science, Nutrition, dietetics and wildlife. I am computer literate with extensive skills in the use of several computer soft wares. I have some experience in administration and have ability to perform and deliver tasks effectively and efficiently to meet deadlines. I have experience in development of grant winning research proposals at national, regional and international levels. I am member professional organization in my area of specialization.

EDUCATION

- 1994-1999:** Doctor of Philosophy (PhD) in Pharmacology and Toxicology, University of Nairobi University of Nairobi/University of Ulm, Germany
- 1989-1992:** Master of Science (MSc) in Pharmacology and Toxicology University of Nairobi
- 1984-1988:** Bachelor of Veterinary Medicine (BVM), University of Nairobi, Kenya.
- 1981-1982:** Kenya Advanced Certificate of Education (KACE), Njiri's High School, Principals in Mathematics, Chemistry and Biology.
- 1977-1980:** Kenya Certificate of Education (KCE), Division 1 (15 points), Kituro Secondary School
- 1970-1976:** Certificate of Primary Education (CPE), Sabatia Primary School,

POSITIONS HELD

- 2000-to date:** Senior Lecturer and Head of Pharmacology & Toxicology Section, Department of Public Health, Pharmacology & Toxicology, Faculty of Veterinary Medicine, University of Nairobi.
- 1991-2000:** Lecturer, Department of Public Health, Pharmacology & Toxicology, Faculty of Veterinary Medicine, University of Nairobi. Responsibility: Teaching undergraduate students in the disciplines in the disciplines of pharmacology & Toxicology.
- 1989-1991:** Assistant Lecturer, Faculty Pharmacology & Toxicology Section, Department of Public Health, Pharmacology & Toxicology Faculty of Veterinary Medicine, University of Nairobi. Responsibility: Teaching undergraduate students
- 1988- 1989:** Veterinary Officer, Ministry of Livestock Development. Kenya. Responsibility: In-charge of Meat hygiene in Nairobi Area.
- 1983-1984:** Untrained secondary school teacher in Biology, Chemistry and Mathematics

ADMINISTRATION EXPERIENCE

- 1) Currently I am the Head of Pharmacology and Toxicology Section, Department of Public Health, Pharmacology and Toxicology, Faculty of Veterinary Medicine, University of Nairobi.
- 2) I have acted as Chairman of Department Public Health, Pharmacology and toxicology, University of Nairobi on several occasions.
- 3) Member Faculty of Veterinary Medicine Biennial Scientific conference
- 4) Member of Committees for the development and review of curricula.
- 5) Formerly, Assistant Section Head of Pharmacology & Toxicology section, Department of Public Health, Pharmacology and Toxicology, University of Nairobi (1998 to 2000).
- 6) Official of Public Health, Epidemiology and Toxicology consultancy unit (PHET-CU), University of Nairobi.
- 7) Chairman of Department of Public Health, Pharmacology and Toxicology, Welfare Association
- 8) Member of Board of Management of PCEA Kinoo Girls Secondary School
- 9) Formerly a committee member of Loresho Primary School Parents and Teachers Association
- 10) Examiner-in-charge, Technical Examination by Kenya National Examinations, Diploma in Pharmacy

TEACHING EXPERIENCE

I have lectured since 1989 and have taught at Diploma, undergraduate and postgraduate levels in the following academic programmes:

- 1) Bachelor of Science in Biomedical Technology
- 2) Bachelor of Veterinary Medicine (BVM)
- 3) Bachelor of Science in Wildlife Management
- 4) Bachelor of Science in Biochemistry
- 5) Master of Veterinary Public Health (MVPH)
- 6) Master of Science (MSc) in Pharmacology and Toxicology
- 7) Master of Science (MSc) in Food Science & Technology
- 8) Bachelor of Science in Nutrition and Dietetics

- 9) Doctor of Philosophy (PhD) in Pharmacology & Toxicology
 - 10) Diploma in Animal Health and Production
 - 11) Diploma in pharmaceutical technology
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WORKSHOPS, SEMINARS, SHORT COURSES AND TRAINING

- 1) 2010: September 28th to 29th. International conference on pastoral livestock production in the Horn of Africa, held at Sheikh Technical Veterinary School, Somali Land. Organized by African Union interafrican Bureau for Animal Resources (AU/IBAR) in partnership with Terra Nuova.
- 2) Kampala
- 3) **2010**: July 6th to 8th, The 18th International Biomedical Research conference on “Translating non-human primate studies into clinical benefits for humans” organized by Institute of Primate Research, Held at Kenya Institute of Education, Kenya.
- 4) **2010**: April 21st to 23rd, The 44th Kenya Veterinary Association Annual Scientific Conference Held at Almond Resort, Garissa Kenya
- 5) **2010**: March 2nd to 4th, Three day Training in PhD supervision Held at the College of Agriculture And Veterinary sciences (CAVS), University of Nairobi
- 6) **2010**: February 22nd to 26th World Health Organization (WHO) Workshop on Assessment of Quality of Multisource Medicines, Held at Silver springs Hotel, Nairobi.
- 7) **2009**: September 25th The 2009 Rabies and Zoonoses Conference Held at Sunset Hotel, Kisumu.
- 8) **2009**: September 23rd to 24th Seminar On Alternatives to use of Animals in Experiments In Education and Training Health, Held Kenya Institute of Education Organized by African Network for animal Welfare and The International Network for Human Education
- 9) **2009**: April 22nd to 24th The 43rd Kenya Veterinary Association Annual Scientific Conference at Hotel Outspan, Nyeri
- 10) **2009**: January, Performance enhancement strategies course held on 2009 at The University of Nairobi.

- 11) **2009:** December, Natural products curriculum stakeholders and Technical workshop held at KCB Leadership Centre, Karen.
- 12) **2009:** November 2nd to 16th, The 7th Advanced Training Program of Research and Development of Medicinal Plants for African Countries Sponsored by the Ministry of Education of P. R. China and Organized by Tianjin University of Traditional Chinese Medicine, Held in Nairobi, Kenya.
- 13) **2008:** April 23rd to 25th, Kenya Veterinary Association Annual Scientific Conference, Held at Golf Hotel, Kakamega
- 14) **2008:** April, 28th to 30th, The 1st National conference and Exhibition for Dissemination of Research Results and Review of innovations, Held at Kenyatta International Conference Centre, Nairobi, Kenya.
- 15) **2008:** April on 28th to 30th, The 1st National conference and Exhibition for Dissemination of Research Results and Review of innovations. Held at Kenyatta International Conference Centre.
- 16) **2008:** Canada
- 17) **2007:** October 25th, Training on transformative leadership and result based management (REM) at The University of Nairobi
- 18) **2007:** May, A six day workshop on proposal and scientific writing sponsored by RAIN-ASARECA and University of Nairobi, held at Kenya School of monetary, Nairobi, Kenya
- 19) **2007:** April, 23rd to 25th The Kenya National Examinations Council (KNEC) Senior Examiners' Workshop on Review of Marking procedures, Documents and Related Challenges, Harmonization of Marking Schemes and Importance of Writing Examination Marking reports, Held at Kenya Science Teachers College
- 20) **2006:** September 6th to 8th, Faculty of Veterinary Medicine Biennial Scientific Conference and Exhibition, Held at the College of Agriculture and Veterinary Sciences, University of Nairobi.
- 21) **2002:** September, 10th to 12th, The 2nd Scientific Conference of Kenya Livestock Technologists Association, Held in Nairobi, Kenya
- 22) KARI annual scientific conferences
- 23) Kenya Veterinary Association (KVA) annual Scientific Conferences

- 24) **2001:** October 29th to November 3rd The First National Workshop on medicinal, aromatic and other underutilized plant species in Kenya held at Kenya Wildlife Service Training Institute, Naivasha, Kenya.
- 25) **2000:** September, 6th to 21st First African Neuroscience School Sponsored by International Brain research organization (IBRO), Held at Pietersburgh, South Africa.
- 26) **1996-1997:** Training on Pesticides Analytical techniques at Pharmacology and Toxicology Research Laboratory (PTRL) Europe, and University of Ulm, Germany
- 27) **1989:** University of Nairobi short on use of computers in organization of documents and data
- 28) **1988:** November, Two week Course on Practical Application of DNA techniques in Microbiology, Held at The University of Nairobi
- 29) **1984:** May 2nd to August 13th. Attended a course of Basic Training at National Youth Service, Gilgil, Covering Personal fitness, foot-drill, first-aid, campcraft, fire-fighting, elementary stores, accounts and transport control and lectures on national development issues and strategies.

EDITORIAL BOARDS

- 1) Editorial Board Member of Kenya Veterinarian (Journal of Kenya veterinary Association)
- 2) Ad Hoc Editorial Board Member of Bulletin of Animal Health and production in Africa.
- 3) Ad Hoc Editorial Board Member of Journal of Medicinal Plants Research (JMPR)

AWARDS, SCHOLARSHIPS, GRANTS

- 1) **2002: Best presenter** during The 2nd Scientific Conference of Kenya Livestock Technologists Association, Held in September, 10th to 12th, in Nairobi, Kenya
- 2) **2003: First Overall Award** in Kenya Agricultural Research Fund (ARF) in recognition of outstanding work on “Development of Pyrethrum-based Anthelmintic Preparations for Treatment of Helminthosis in Domestic Animals in Kenya” and the paper presentation during the ARF end of project conference held at KARI Headquarter, Nairobi from 2nd to 4th December 2003

- 3) **1996:** Deutscher Akademischer Austauschdienst (DAAD) Scholarship to undertake Postgraduate studies and for research in the Federal Republic of Germany.
- 4) **1995:** Scholarship for Doctor of Philosophy (PhD) by DAAD
- 5) **1989:** Scholarship for Master of Science (MSc) Degree by Norwegian Agency for Development Cooperation (NORAD)

SUPERVISION OF POSTGRADUATE STUDENTS

The following is the list of postgraduate student that I have supervised or I am currently supervising

MASTER STUDENTS

- 1) **B. K. Koros**, “Assessment of Heavy Metal concentration in Ash from incinerators and its environmental implication in Nairobi, Kenya”. Master of Science (MSc) in Pharmacology & Toxicology student, University of Nairobi, **Completed 2009**
- 2) **John. K. Muthee**,” Acute and sub acute toxicity of *Nicandra Pysaloides* (L) Gaerten in Mice and Calves”. Master of Science (MSc) in Clinical studies, University of Nairobi, **Completed 2009**
- 3) **Cyrus. G. Wagate**, “....” MSc. in Pharmacology & Toxicology, University of Nairobi, **Completed 2008.**
- 4) **Mark O. Nanyingi**, “Bioacaricidal potency of *Acokantheras chimperi* and *Psiadia punctulata* against *Boophilus decolaratus* and *Rhipicephalus appendiculatus*” Master of Science (MSc) in pharmacology and Toxicology, University of Nairobi, **Completed 2008.**
- 5) **Reuben M. Waswa**, “Management of late blight of potato and tomato by natural products: Formulation, testing efficacy and toxicity of antibiotics products produced by *Streptomyces species*”. Master of Science (MSc), University of Nairobi., **Completed 2007**
- 6) **Joseph. M. Nguta**, “Determination of levels of trace elements in pastures in some regions in Kenya”. Master of Science (MSc) in Pharmacology & Toxicology, University of Nairobi, **Completed 2007.**

- 7) **Tom B. Menge**, “Amitraz: A demographic survey of poisoning at Kenyatta National Hospital and acute toxicity studies in rats”. Master of Science (MSc) in pharmacology & Toxicology University of Nairobi. **Completed 2007.**
- 8) **Peninnah Munyua**, “Toxicological Assessment of a tsetse fly repellent (Patent No. Ke00185, 2004)” on the Health of Exposed Animals”. Masters of Veterinary Epidemiology and Economics (MVEE) University of Nairobi **Completed 2006.**
- 9) **M. Mbaka**, “An evaluation for the presence of fecal *Escherichia coli* in roof-collected rainwater from parts of Nairobi”. Masters in Veterinary Public Health (MVPH), University of Nairobi, **Completed 2002**
- 10) **Michael E. Eregae**, “Business planning as a tool in private pastoral veterinary practice in Turkana District”. Masters of Veterinary Epidemiology and Economics University of Nairobi (MVEE), University of Nairobi **Completed 2002**
- 11) **W. Kisiangani**, “Development of an inventory of ethnoveterinary practices in Makueni Districts, Kenya and scientific validation of the practices”. Master of Veterinary Epidemiology and Economics (MVEE), University of Nairobi: **Continuing student**
- 12) **Japhet Mworira M’Anampiu**, “A Study of organochlorines Pesticide residues in Fish and Sediments from Lake Naivasha”. Masters of Veterinary Public Health (MVPH), University of Nairobi, **Continuing student**
- 13) **Stanley Mwebia Itonga**, “Pharmacological and Toxicological Study of *Tephrosia vogelii* and Selected plants used as Biopesticides in Meru Central District of Kenya”. Master of Science in Pharmacology & Toxicology, University of Nairobi, **Continuing student**
- 14) **Jason Kimotho Gathumbi**, Master of Science in Pharmacology & Toxicology University of Nairobi, **Continuing student**
- 15) **Omingo M. Ombasa**, Phytochemical and antihelmintic activity of *Entalida leptostachya* (MIMOSACEAE) and *Rapanea rhododendroides* (MYRINACEAE) **Continuing MSc Student** registered at JKUAT,
- 16) **Waithaka**, MSc student registered at JKUAT, **Continuing student**

DOCTOR OF PHILOSOPHY (PhD) STUDENTS

- 17) **Joseph M. Nguta**, “Pharmacology and toxicology of antimalarial herbal remedies in Msambweni district, Kenya.in pharmacology and toxicology”. Doctor of Philosophy (PhD), in Pharmacology & Toxicology, University of Nairobi (2009- In the process)
- 18) **Mary J. Oguna**,. J. PhD in Pharmacology University of Nairobi, University of Nairobi, **Continuing student**
- 19) **Sarah Nalule** PhD student registered at University of Nairobi, **Continuing student**
- 20) **Irene, T. Kamanja**, PhD student registered at University of Nairobi, **Continuing student**
- 21) **B. Koro**, PhD student registered at University of Nairobi, **Continuing student**
- 22) **John, K. Muthee**, “Formulation, safety and efficacy of anthelmintic herbal products from selected plants in Kenya” PhD In Veterinary Clinical Studies, **(2009-in the process)**
- 23) **B. Chivatsi**, PhD student registered at a Kenyatta University, **Continuing student**
- 24) **J. M. Mathenge**, “Occurrence of multiple strains, antibiotic resistance of enteropathogenic *Staphylococcus aureus* in some foods of animal origin in Nairobi Kenya. PhD Student registered at Kenyatta University, Dept. of zoological Sciences. **Continuing student**

EXAMINATION OF MASTERS AND PhD THESES

- 1) D. W. Gakuya (2002): Pharmacological and clinical evaluation of anthelmintic activity of *Albizia anthelmintica* Brogn, *Maerua edulis* De Wolf and *Maerua subcordate* De Wolf plant extracts in sheep and mice. PhD University of Nairobi (internal examiner and supervisor of corrections)
- 2) M. Kikui. M (2006): PhD thesis, Molecular characterization of aminoglycoside and chloramphenicol resistance in *Escherichia coli* and *salmonella enterica* subspecies *enterica* serotypes Braenderup and saintpaul from cattle, pigs, and chicken in Kenya. Pharmacology and Toxicology (Examiner)
- 3) A. G. Thaiya (2007): PhD Thesis, Clinical studies, (Member of Board of Examiners and supervisor of corrections)

- 4) J. N. Chege (2006): Thesis for Doctor of Philosophy (PhD) degree, University of Nairobi (Member, Board of Examiners)
- 5) Irene T. Kamanja (2007): A survey of the prevalence of *Schistosoma bovis* and its possible public health importance in Kwale District. MSc. University of Nairobi. (Member of Board of Examiners)
- 6) J. Kivai (2007): "Outcome of drug management of patients with AID Srelated Kaposis Sarcoma in Kenyatta National Hospital" MSc. Thesis University of Nairobi (internal examiner)
- 7) S. N. Muchohi (2000). Pharmacokinetics of phenytoin following intravenous and intramuscular administration of fosphenytoin sodium in rabbits and rat. Thesis for MSc. University of Nairobi (Examiner)
- 8) C.W. Ngugi (2007): Detection of drug resistance mutations in human immunodeficiency virus by mutagenically separated polymerase chain reaction." MSc. Thesis, JKUAT (External examiner)
- 9) A K. Nyamache (2008). MSc. Thesis, Jomo Kenyatta University of Agriculture & Technology (External Examiner)

CONSULTANCIES/RESEARCH COLLABORATION

During my working experience I have conducted research activities through grants obtained competitively from local and international funding agencies. I have also been a principal investigator in several consultancies as detailed below:

- 1) Studies of acute toxicity and anthelmintic activity of pyrethrins in sheep and rabbits funded by Norwegian Agency for Development Cooperation (NORAD)
- 2) Investigation of anthelmintic usage, other Helminth Control Practices, prevalence of Helminths and anthelmintic resistance in Molo and Nyandurua areas of Kenya. Funded Canadian International Development (CIDA)
- 3) Studies of pharmacokinetics, anthelmintic efficacy and acute toxicity of pyrethrins in sheep and dogs and pyrethroids analysis in air funded German Academic Exchange Programme (DAAD) and Association of African Universities (AAU)
- 4) Studies on ethnoveterinary medicine in Baragoi, Samburu District, Kenya. Sponsored Intermediate Technology Development Group (ITDG-EA)

- 5) Research of development of pyrethrum based anthelmintics. Grant by Agricultural Research Fund (ARF)/KARI
- 6) Development of inventory, scientific validation, value addition and commercialization of Ethnoveterinary and Ethnomedical practices to assist the Samburu community face challenges in food security. Research grant by Commission for Higher Education (CHE)
- 7) Lead consultant in a case study on investigation of occurrence of a severe acute livestock poisoning by borehole water in Marsabit district, Kenya (consultancy by a local NGO).
- 8) Several consultancies on analysis of pesticide, antibiotic and chemical residue analysis in meat and honey for regulatory programmes in international trade.
- 9) Several consultancies on conduction of toxicological studies for pest control products registration in Kenya by Pest Control Products Board (PCPB)

LIST OF PUBLICATIONS

THESES

- 1) **J. M. Mbaria** (1999). Studies of pharmacokinetics, anthelmintic efficacy and acute toxicity of pyrethrins in sheep and dogs and pyrethroids analysis in air. Doctor of Philosophy (PhD) Thesis, University of Nairobi.
- 2) **J. M. Mbaria** (1992). Studies of acute toxicity and anthelmintic activity of pyrethrins in sheep and rabbits. Master of Science (MSc) Thesis, University of Nairobi.

ARTICLES IN REFEREED JOURNALS

- 3) J.M. Nguta, **J.M. Mbaria**, D.W. Gakuya, P.K. Gathumbi, S.G. Kiama (2010): Traditional Antimalarial Phytotherapy Remedies Used by The South Coast Community , Kenya. *Journal of Ethnopharmacology*, **in press**
- 4) J.M. Nguta, **J.M. Mbaria**, D.W. Gakuya, P.K. Gathumbi, S.G. Kiama (2010): Antimalarial remedies of Musambweni, Kenya. *Journal of Ethnopharmacology*, **128**: 424-432

- 5) JK Muthee, **JM, Mbaria**, AG Thaiya and DW Gakuya (2009). Acute toxicity of *Nicandra physaloides* (L) Gaertn in cattle and Mice. *The Kenya Veterinarian* **33**: 1-6
- 6) Cyrus G. Wagate, **James M. Mbaria**, Daniel W. Gakuya, Mark O. Nanyingi, P. G. Kareru Anne Njuguna, Nduhiu Gitahi, James K. Macharia, Francis K. Njonge (2009). Screening of some Kenyan medicinal plants for antibacterial activity. *Phytotherapy Research* *Phytotherapy research*: 24:151-153
- 7) **J. M. Mbaria**, E. S. Mitema and T.E. Maitho (2008). The Pharmacokinetics of Pyrethrins in Lactating and Non-Lactating Ewes after Oral and Subcutaneous Administration. *The Kenya Veterinarian* **33**: 7-12
- 8) **J. M. Mbaria**, W.O. Ogara and F.K. Gitau (2008). Pesticide Residues in Beef and Camel Meat from Slaughterhouses in 13 Districts of Kenya. *The Kenya Veterinarian* **33**: 13-15
- 9) Cyrus Githaiga Wagate, Daniel W Gakuya, Mark O Nanyingi, Francis K Njonge, **James M Mbaria (2008)**, Antibacterial and Cytotoxic activity of some Kenyan medicinal plants. *Memorias do Instituto Oswaldo Cruz*, Vol 103, No 7 (2008).
- 10) Mark O Nanyingi, **James M Mbaria**, Adamson L Lanyasunya, Cyrus G Wagate, Kipsengeret B Koros, Humphrey F Kaburia, Rahab W Munenge and William O Ogara, Ethnopharmacological survey of Samburu district, Kenya (2008). *Journal of Ethnobiology and Ethnomedicine* 2008, **4**:14
- 11) Gakuya, D.W., **Mbaria, J.M.**, Ochung, H.A., Musembi, J.K. and Ngesa, T.J. (2008). Preliminary investigation on suspected plant poisoning in the faculty of veterinary medicine farm, Kabete, Kenya. *Bulletin of Animal Health and Production in Africa* 56(1) 19-24
- 12) Wagate G. C., **Gakuya, D. W.**, Nanyingi, M.O. Njonge, F. K. and Mbaria, J.M. (2008). Antibacterial and cytotoxic activity of Kenyan medicinal plants. *Mem Inst Oswaldo Cruz* 103(7): 650-652.
- 13) Wagate G Cyrus, Gakuya W Daniel, Mark O Nanyingi, Francis K Njonge, **James M Mbaria** (2008). Antibacterial and Cytotoxic activity of some Kenyan medicinal plants (Submitted to *Mem Inst Oswaldo Cruz, Rio*).

- 14) Cyrus WG, Daniel GW, Nanyingi MO, Njonge FK, **Mbaria JM** (2008). Antibacterial and cytotoxic activity of Kenyan medicinal plants. *Mem Inst Oswaldo Cruz* **103(7)**:650-652
- 15) **Mbaria J M**, Gakuya D W, Yunus SN, Kaburia HFA and Njuguna A N (2006). Comparative Brine Shrimp Toxicity of *Withenia somnifera* and *Chrysanthemum cinerariaefolium* Extracts and *In Vitro* Antimicrobial Activity of *W. somnifera*. *The Kenya Veterinarian* **30**: 53-56
- 16) **Mbaria, J.M.** Class, T.J., Backer, R., Mitema, E.S and Maitho, T. E (2005). Analysis of pyrethroids in air using commercial XAD sampling cartridges and gas chromatography. *The Kenya Veterinarian* **29**: 81-84.
- 17) **Mbaria, J.M.**, Maitho, T.E and Mitema, E.S. (2005). Efficacy of a pyrethrum extracts against mixed natural gastrointestinal helminths infestations in puppies. *The Kenya Veterinarian* **29**: 81-84
- 18) Munyua, P., **Mbaria, J. M.**, Gathuma, J. M., Saini, R.K and Njeru, F. M. (2005). Acute toxicity of a recently identified Phenol-based synthetic tsetse fly repellent. *The Kenya Veterinarian* **29**: 91-93
- 19) **J.M. Mbaria**, R.W. Munenge, A. N. Njuguna, J.L.Orre and D.Dabasso (2005). Occurrence of a severe acute livestock poisoning by borehole water in Marsabit district, Kenya: A case study. *The Kenya veterinarian* **28**:16-19
- 20) **J.M. Mbaria**, *et al.*, (2005): *In Vitro* antimicrobial activity of *Tetracera boiviniana*, an ethnomedical herbal remedy used in Malindi Kenya. *Recent progress in medicinal plants* volume **11**:287-293
- 21) J.M. Gathuma, **J.M. Mbaria**, J. Wanyama, H.F.A. Kaburia, L Mpoke, J.N. Mwangi, Samburu and Turkana healers (2004): Efficiency of *Myrsine africana*, *Albizia anthelmintica*, *Hilderbrandtia sepalosa* herbal remedies against mixed natural sheep helminthosis in Samburu district, Kenya. *Journal of Ethnopharmacology*: **91**:7-12
- 22) Mbaka M., Gathura, P.B., Njeru, F.M. **Mbaria J.M.** Kitala P.M., Kaburia H.F.A, Gitahi J.N., Macharia J.K., Kamau J.M. (2004): An assessment of the presence of *Escherichia coli* in the roof-collected rain water from some areas around Nairobi. *The Kenya veterinarian* **27**: 97-102

- 23) Gakuya, D.W., **J.M. Mbaria**, P.M.F. Mbithi and R.W. Munenge, 2004. Evaluation of bioactivity of some traditional used medicinal plants using Brine Shrimp lethality test. *Kenya Veterinarian* 26: 8-11
- 24) D.W. Gakuya, **J.M. Mbaria**, P.M.F.Mbithi and R.W.Munenge (2004). Evaluation of the bioactivity of some traditional medicines plants using the Brine shrimp lethality test. *The Kenyan veterinarian*, 26:8-11
- 25) **J. M. Mbaria**, T. E. Maitho, E. S. Mitema and D. J. Muchiri (1998). Comparative efficacy of pyrethrum marc with Albendazole against sheep gastrointestinal nematodes. *Tropical Animal Health and Production*, **30**: 17-22.
- 26) **J. M. Mbaria**, J. J. McDermott, M. N. Kyule, E. J. Gichanga (1995). Prevalence of Helminths and Helminth Control Practices in Molo Division, Nakuru District, Kenya. *Bulletin of Animal Health and Production in Africa*, **43(1)**: 35-446
- 27) J. K. Gikunju, **J. M. Mbaria**, W. Mureithi, M. N. Kyule, J. J. McDermott and T. E. Maitho (1995). Water fluoride in Molo division of Nakuru district Kenya. *Fluoride*, **28(1)**: 17-20.
- 28) **J. M. Mbaria**, T. E. Maitho and D. J. Muchiri (1994). Acute toxicity of pyrethrins in red Masai sheep and New Zealand white rabbits. *Bulletin of Animal Health and Production in Africa*, **42(3)**: 217-222.
- 29) **J. M. Mbaria**, T. E. Maitho and D. J. Muchiri (1993). Median lethal doses, clinical signs and post-mortem changes in acute pyrethrin toxicity study in sheep and rabbits. *Pyrethrum post*, **19(1)**: 26-29

PAPERS READ IN SCIENTIFIC CONFERENCES

- 30) Nanyingi, M. O., **Mbaria, J. M.**, Wagate, C. G, Gakuya, D.W. Koros, Ogara, W.O. 2008. Pharmacoepidemiology and bioprospecting of herbal medicines in three districts in Kenya. The 5th International congress of the African Association of Physiological Sciences (AAPS), 27th July to 1st August 2008 at Chiromo Campus, University of Nairobi, Kenya.
- 31) Wagate, G.C., Gakuya, D.W., Nanyingi, M.O., Njonge, F.K., Nduhiu, G., **Mbaria, J.M.** 2008. Antibacterial and cytotoxic activity of some Kenyan medicinal plants. Biennial Scientific conference. Faculty of Veterinary Medicine, University of Nairobi, 17th to 19th September, 2008, Nairobi, Kenya.

- 32) J. M. Mbaria and L. W. Kanja local experience on conduct of acute toxicological studies: Present in seminar on procedure of Evaluation of pesticides: toxicology Ecotoxicology and Efficacy. Workshop organized by pest control products Board (PCPB) on 16th July 2008 at Agricultural information resource centre (AIRC), Nairobi, Kenya.
- 33) **J. M. Mbaria** and R. W. Munenge (2002). An investigation of an outbreak of acute poisoning by borehole water at Kargi, Marsabet, Kenya. 2nd Scientific Conference of Kenya Livestock Technologists Association, held from 10th -12th September, 2002 at the National Agricultural Research Laboratories Conference Hall, Waiyaki
- 34) **J. M. Mbaria**, T. E. Maitho and D. J. Muchiri (1991). Effects of pyrethrins on *Haemonchus contortus* *in vitro*. *Proceedings of the first inter-university pharmacology and Toxicology subject meeting held in Arusha, Tanzania from 24th-28th September, 1991*
- 35) J Wanyama, L Mpoke, **JM Mbaria**, HFA Kaburia and JM Gathuma (2001). Participatory validation of medicinal plants used to treat livestock diseases by pastoralists of Kenya: A case of Samburu and Turkana pastoralists. *Proceedings of the First National Workshop on medicinal, aromatic and other underutilized plant species in Kenya*. Held from 29th October to 3rd November 2001 at Kenya Wildlife Service Training Institute, Naivasha, Kenya.
- 36) JM Gathuma, **JM Mbaria**, JB Wanyama, HFA. Kaburia, L Mpoke, Samburu and Turkana healers (2001). Efficacy of *Myrsine africana*, *Albizia anthelmintica* and *Hilderbrantia sepalosa* herbal remedies against mixed natural sheep helminthosis in Samburu District, Kenya. *Proceedings of The First National Workshop on medicinal, aromatic and other underutilized plant species in Kenya*. Held from 29th October to 3rd November 2001 at Kenya Wildlife Service Training Institute, Naivasha, Kenya
- 37) **J. M. Mbaria** and P.A. Ambala (2006). Levels of Aflatoxins in maize samples collected from Makeni District, Kenya, during an outbreak of acute aflatoxicosis in humans. Faculty of veterinary medicine biennial scientific conference.

- 38) Evaluation of resistance development to three anthelmintics and efficacy of plant extracts against nematodes of sheep in Samburu District, Kenya Mark O. Nanyingi, **James M. Mbaria**, Richard O. Okello, Cyrus G. Wagate, Adamson L Lanyasunya, Kipsengeret B. Koros, Mary M.Oguna , William O. Ogaraa, (*KVA Scientific Seminar 25-28 April 2008*)
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MEMBERSHIP/ASSOCIATIONS

1. Registered Veterinary Surgeon, Kenya Veterinary Board (KVB).
2. Member of the Kenya Veterinary Association (KVA).
3. Executive Committee Member of the Kenya Veterinary Association
4. Founder member of Kenya Veterinary Board (KVB) College of Pathologist as consultant toxicologist
5. Members of Veterinary Sports Club, Kabete
6. Life member of University of Nairobi Alumni Association, Veterinary Chapter