

## CURRICULUM VITAE

NAME : **Dr. Laetitia W. Kanja**  
HOME ADDRESS : P.O. Box 30996 ó (00100) GPO, Nairobi  
PRESENT OCCUPATION : Senior Lecturer (University of Nairobi)  
Dept. of Public Health, Pharmacology and Toxicology  
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## EDUCATION

- **Ph.D.** (1989) Toxicology (UoN)  
Department of Public Health, Pharmacology & Toxicology  
College of Agriculture and Veterinary Sciences
- **M.Sc.** (1982) Environmental Chemistry (UoN)  
Department of Chemistry (UoN)  
Veterinary College of Norway (Oslo) & Agricultural University of Norway (Ås), (1980)
- **B.Sc.** (1978) Chemistry  
Department of Chemistry (UoN)
- Secondary Teacher's Certificate Grade 1 (**With Distinction**)  
Kenya Science Teachersø College, Nairobi (1972-1975)

## EMPLOYMENT RECORD

- 1998 to date: Senior Lecturer Dept. of Public Health Pharmacology and Toxicology, UoN
- 1989-1998: Lecturer Dept. of Public Health Pharmacology and Toxicology, UoN
- 1982: Tutorial Fellow, Department of Chemistry, UoN
- 1978: Chemist, Ministry of Water Development
- 1975: Science Teacher Matuga and Kibutha Girlsø Schools

## *Profile Summary*

**Dr Laetitia W. Kanja** is an environmental toxicologist with many years of research and teaching experience at both bachelors and graduate level. Has supervised many graduate students (MSc and PhD) and has been involved in collaborative research with local and international laboratories developing analytical methods for Persistent Organic Pollutants.

My initial research study involved the determination of levels and sources of organochlorine pesticide residues in breast milk, and was the first research paper of its kind to be published in Kenya that shed light on the situation of DDT in the environment and the human impact. The data generated was used to support the ban of DDT use in Kenya.

Other research activities involved comparison of pesticide residues in adipose tissue, study of the significance of organochlorine exposure of the infant in utero, pesticide residues in fish, eggs, commercial infant formulas, foodstuffs, heavy metal pollution in various biological matrices

## *Consultancy*

Lead consultant in National Chemical Profiles and National Inventory Profiles on Persistent Organic Pollutants (**POPs**) project for National Environmental Management Authority (NEMA). 2004/05

National Coordinator of WHO/UNEP Global Survey of human milk for POPs in Kenya (2009-2011 and 2013) and 2017/20 for POPs Global Monitoring Plan under the Stockholm Convention in the African Region.

One of the consultants selected to update the National Implementation Plan for persistent organic pollutants under the Stockholm Convention (MENR&W/NEMA) (2013)

Member of National Steering Committee on Mercury Convention Initial Activities Project under the Ministry of Environment and Natural Resources (MENR) (2016)

### **ADMINISTRATIVE, RELATED RESPONSIBILITIES AND OTHER WORK**

- ◆ Acting Chairman - Department of Public Health, Pharmacology & Toxicology, in many occasions from 1999- 2014
- ◆ Represented the chairman in various Senate/Academic Board meetings in the University of Nairobi.
- ◆ Head of Pharmacology and Toxicology Section - 2002 to 2005
- ◆ Acting Head, Pharmacology and Toxicology Section ó (1999-2001).
- ◆ Internal Examiner and/or Board member of Examiners for many Postgraduate theses since 1992 University of Nairobi to date.
- ◆ External Examiner University of Zimbabwe 1996. Department of Clinical Pharmacology, Medical school ó Harare.
- ◆ Committee Member- (University of Nairobi): 1<sup>st</sup> Kenya Universities' Exhibition on Higher Education held 23<sup>rd</sup> - 25<sup>th</sup> May 2002
- ◆ Committee Member, Kenya Bureau of Standards - Drinking Water Technical Committee 1992/93.

### **(Not Updated)**

- ◆ Acting chair - Department of Public Health, Pharmacology & Toxicology
- ◆ Head of Pharmacology and Toxicology Section - 2002 to 2005
- ◆ Postgraduate Studies Committee (Faculty of Veterinary Medicine) - 1996 to 2009.
- ◆ Curriculum committee (Faculty of Veterinary Medicine) 1999 to 2005.
- ◆ Committee Member- (University of Nairobi): 1<sup>st</sup> Kenya Universities' Exhibition on Higher Education held 23<sup>rd</sup> - 25<sup>th</sup> May 2002

### **DEPARTMENTAL REPRESENTATIVE**

- ◆ Postgraduate Studies Committee (Faculty of Veterinary Medicine) - 1996 to 2009.
- ◆ Curriculum committee (Faculty of Veterinary Medicine) 1999 to 2005.
- ◆ Time Tabling Committee (Faculty of Veterinary Medicine) ó 1999 to 2016
- ◆ Pharmacology & Toxicology section coordinator of B.Sc. Wildlife and BSc. in Medical Laboratory Technologists - 2002 to 2013.

- ◆ Course coordinator in various undergraduate and postgraduate courses
- ◆ Student Attachment and Project Committee 2002 - 2005
- ◆ Chair/Committee member in preparation of various Diploma/Certificate and B.Sc. parallel programmes.
- ◆ Treasurer Public Health Epidemiology & Toxicology Consultancy Unit (PHETCU)
- ◆ Member of the technical committee in Meat Training Centre planning, 2003-2004
- ◆ Students mentor

### **OTHER RESPONSIBILITIES/ WORK**

- ◆ Lead Consultant of National Chemical Profiles and National Inventory Profiles on Persistent Organic Pollutants (**POPs**) project for National Environmental Management Authority (NEMA), 2003 ó 2005
- ◆ Generating data on National chemical profile and National inventory profile on Persistent Organic Pollutants.
- ◆ Appointed reviewer in research proposals for Rockefeller Foundation African Career Awards 2000.
- ◆ National Coordinator on UNEP/WHO Global Survey on human milk for persistent organic pollutants 2008/2009- 2011; 2016-2020
- ◆ Member of Inter Ministerial Committee on the GOK/UNITAR Quick Start Project on SAICM 2009 (1<sup>st</sup> Inception meeting held on 16<sup>th</sup> April 2009, NHIF Building).
- ◆ Principal coordinator ó Safe Food Safe Daily Project 2. (Kenya)

### *OTHER WORK/TRAINING EXPERIENCE*

- ◆ Three months' teaching practice at Matuga Girls High School, Mombasa, 1975.
- ◆ Six months teaching at Kibutha Girls High School, Murang'a, 1975.
- ◆ Three months working at Firestone East Africa Ltd. as analytical chemist 1977.
- ◆ Three months working at the Ministry of Water Development as a Chemist, 1978.
- ◆ Three months working in Norway to complete the writing of the Ph.D. thesis, 1988.
- ◆ Supervision of Postgraduate Research Projects from 1988.
- ◆ Supervision of undergraduate Research Projects
- ◆ Three monthsø attachment to the department of environmental toxicology (Pesticide Laboratory) University of Guelph, Canada (1993) and Norway (1988)

- ◆ Internal and external examiner for many Postgraduate theses since 1992 (University of Nairobi. and University of Zimbabwe 1996. (Department of Clinical Pharmacology, Medical school ó Harare)

## **CURRENT WORK**

Teaching both undergraduate and postgraduate students; training and supervising research projects in the College of Agriculture & Veterinary Sciences

Other collaborative projects and professional assigned duties

## **RESEARCH INTERESTS**

Environmental toxicology

## **POSTGRADUATE RESEARCH PROJECT SUPERVISED**

- a) **UNIVERSITY OF NAIROBI**  
College of Agriculture and Veterinary Sciences  
Faculty of Veterinary Medicine  
Department of Public Health, Pharmacology & Toxicology (PHPT)
  - i) Studies of Organochlorine pesticide residues in some freshwater and estuarine fish in Kenya (1990) M.Sc.
  - ii) Organochlorine pesticide residues in milk of mothers living in Nairobi area (1992) M.Sc.
  - iii) Organochlorine pesticides in swine tissues and the effect of dieldrin on the progesterone profile in gilts (1992) M.Sc.
  - iv) Organochlorine pesticide residues in mothers and cows milk in Iganga and Kampala districts, in Uganda (1995) M.Sc.
  - v) Studies on exposure to dimethoate in an Irrigation Scheme in central Kenya (1996) Ph.D.
  - vi) Organochlorine pesticide residues in milk from mothers living in Addis Ababa, Ethiopia (1994) M.Sc.
  - vii) A cross-sectional survey of organochlorine pesticide residues in bovine tissues in Masaka, Rakai and Mbarara Districts, Uganda (1995) M.Sc.
  - viii) Monitoring of organophosphorus pesticide exposure as potential health hazard to floricultural workers in Naivasha.
  - ix) Screening for antimicrobial residues in consumers and market agentsø milk in Kenya using Charm Aim-96 test (2002) M. Sc.
  - x) Determination of trace elements in pastures in various regions in Kenya.(2007) MSc
  - xi) Assessment of heavy metal concentration in major incinerators in Nairobi (2009) MSc
  - xii) Development of meat preservative from garlic (*Allium sativa L.* extracts) PhD (ongoing)

- xiii) A toxicological and epidemiological study of environmental and occupational pesticide exposure on floricultural workers in Kenya (MSc)
- xiv) An assessment of pesticide and heavy metal residues in inland fish farming in Machakos and Kiambu counties, Kenya. (MSc)
- xv) Evaluation of human exposure levels to aflatoxin in Makueni District

**To be completed**

**SOME OF THE UNDERGRADUATE RESEARCH PROJECTS SUPERVISED**

- xvi) Organochlorine pesticide residues in different commercial processed milk on the Kenyan market.
- xvii) Lead in human hair - environmental monitoring.
- xviii) Detection and determination of Plasmodium Falciparum and Plasmodium Vivax Gramsporoites using sandwich Elisa.
- xix) Determination of mercury in fish from Lake Victoria
- xx) Comparison of levels of lead in kale, soil from rural and urban areas
- xxi) Plant extract and microbial effects
- xxii) Determination of aflatoxin in peanut in Kenyan market
- xxiii) Antibiotic sensitivity in yoghurt

**b) RESEARCH IN OTHER DEPARTMENTS AND UNIVERSITIES**

- i) Concentration of chlorinated hydrocarbon pesticide residues, PCBs and heavy metals in lakes Nakuru and Baringo (1991) M.Sc. (Moi University).
- ii) Determination of presence and levels of selected pesticides in rural drinking water sources in Githunguri location of Kiambu District Kenya (1995) Ph.D. (Dept. of Community Health, University of Nairobi).
- iii) Studies on exposure to dimethoate in an Irrigation Scheme in central Kenya (1996) Ph.D.

**Publications**

1. Kanja L.; Skaare, U.J.; Nafstad, I.; Maitai, K.C.; Løkken, P. (1986). Organochlorine pesticides in human milk from different areas of Kenya 1983-1985. *Journal of Toxicology and Environmental Health*, 19: 449-464.
2. Kanja L.; Skaare, U.J.; Ojwang, S.B.O.; Maitai, K.C. (1992). A comparative study of organochlorine pesticide residues in maternal adipose tissue, maternal blood, cord blood and human milk from mother/infant pairs in Kenya. *Arch. Environ. Contam. Toxicol.* 22: 21-24.
3. Kanja L.; Skaare, U.J.; Nafstad, I.; Løkken, P. (1986). Organochlorine pesticide residues in commercial infants' milk formulas on the Kenyan market. *J. Ecology of Food and Nutrition* Vol. 25

4. Mugambi, M.J.; Kanja, L.; Maitho, T.E.; Skaare, U.J.; Løkken, P. (1989). Organochlorine pesticide residues in Domestic fowl (*Gallus domesticus*) eggs from Central Kenya. *Journal of Science of Food and Agriculture*, 48, 165-176.
5. Mugachia, J.C.; Kanja, L.; Maitho, T.E. (1992). Organochlorine pesticide residues in Estuarine Fish from the Athi River, Kenya. *Bull. Environ. Contam. Toxicol.* 49: 199-206.
6. Mugachia, J.C.; Kanja, L.; Maitho, T.E. (1992). Organochlorine pesticide residues in fish from Lake Naivasha and Tana River, Kenya. *Bull. Environ. Contam. Toxicol.* 49:207-210.
7. Kotonya R, Mutungi G. M., Kanja L. W. (1994). Organochlorine pesticides in swine tissues from abattoir material collected in Nairobi, Kenya. *Bull. Environ. Contam. Toxicol.* 53-45.
8. Ejobi, F.; Kanja, L.; Kyule, M.N.; Latigo, A.A.R.; Muller, P.; Kruger, J. (1996). Organochlorine pesticide residues in mothers' milk in Uganda. *Bull. Environ. Contam. Toxicol.* 56:873-880.
9. Ejobi, F.; Kanja, L.; Kyule, M.N.; Latigo, A.A.R.; Kyule, M.N.; Muller, P.; Kruger, J.; Nyeko, J.H.P. (1996). Organochlorine pesticide residues in cow's milk in Uganda. *Bull. Environ. Contam. Toxicol.* 56:873-880.
10. Simiyu, K.W.; Gathura, P.B.; Kyule, M.N.; Kanja, L. (1998). Toxin production and antimicrobial resistance of *Escherichia coli* river water isolates. *East African Medical Journal*, 75: 699-702.
11. Gathumbi J.K., Kanja L.W. , Maitho T.E. Mbaria J.M., Nduhiu J.G., Gitau F.K., Nderitu J.G., Lucy M.W., Maloba K Assessment of Lead and Copper in Fish And Soil Sediments in Kirinyaga South District, Kenya (2013). *Sciences in Environmental Sanitation*, 8 (3): 145-150.
12. Kinyamu, J.K.; Kanja, L.; Skaare, U.J. (1993). Organochlorine pesticide residues in breast milk of urban mothers in Kenya. *Bull. Environ. Contam. Toxicol.*
13. F. Ejobi; Kanja, L.; M. N. Kyule; J. Nyeko and J. Opunda - Asibo (1998). Some factors related to sum-DDT levels in Ugandan mothers' breast milk. *J. Public. Health* 112: 425-427
14. Mureithi D., Danish W.S., Ikenaka Y., Kanja L., Mayumi I. (2012). Cytochrome P4503A in RNA expression along goat and rat gastrointestinal tract. *Japanese Journal of Veterinary Research* 60 (4) 205-210
15. Isaac Omwenga, Laetitia Kanja, Joseph Nguta, James Mbaria,;Patrick Irungu (2014). Assessment of lead and cadmium residues in farmed fish in Machakos and Kiambu counties, Kenya (2014) *J. Toxicological and Environmental Chemistry*
16. ) Gathumbi J.K., Kanja L.W. , Maitho T.E. Mbaria J.M., Nduhiu J.G., Gitau F.K., Nderitu J.G., Lucy M.W., Maloba K. (2013), Assessment of Lead and Copper in Fish And Soil Sediments in Kirinyaga South District, Kenya (2013) *Sciences in Environmental Sanitation*, 8 (3): 145-150.

17. Gikunju, J.K.; Simiyu, K.W.; Gathura, P.B.; Kyule, M.N.; Kanja, L. (2002). Fluoride concentrations in rivers of central and Nairobi provinces of Kenya. *Journal of the International Society of Fluoride Research*, 35: 143-212.
18. Kanja,L.W.,Oduor,G.O.,MøAnampio,MuchemiG.M.,Mureithi,D.K.,Nduati.  
Assessment of mercury in water, sediment and fish samples from L. Victoria. Paper presented in International Symposium in Environmental Toxicology, held in School of Veterinary Medicine ó University of Zambia on 8<sup>th</sup> -10<sup>th</sup> September 2010.
19. Koros B. K., Mbaria J. M., Kanja L.W., Nanyingi M. O., Mbakaya F. C. ó Toxicological evaluation of heavy metals from major incineration in Nairobi, Kenya. Paper presented in Sixth Biennial Scientific Conference on Animal and Human Interaction held on September 17<sup>th</sup> ó 19<sup>th</sup> 2008
20. Njue L. G, Ombui J.N., Kanja,L.W, GathumbiJ.K. Midiwo J O. Identification of the Antimicrobial Compounds in Garlic Grown at Laikipia County.(2017) *International Journal of Agricultural Research and Review: ISSN-2360-7971, Vol. 5(5): pp 636-643.*
21. NjueL. G, Ombui J.N., Kanja, L.W, Gathumbi J.K. (2017) Assessment of Effectiveness of Garlic Extract from Laikipia County, on Shelf-Life of Meat *Journal of Agricultural Economics, Extension and Rural Development: ISSN-2360-798X, Vol. 5(5): pp, 632-641.*
22. Koros K Kipsengeret ; James M Mbaria.; Gerald M Muchemi; Philip M Kitala; Laititia W Kanja,(2016). Occupational exposure to pesticide and associated health problems in Kenya's floriculture industry, <http://www.prudentjournals.org/PRJMMS> Vol. 1(1): pp: 1-10
23. Okumu M.O; Ochola F.O; OnyangoA.O; Mbaria J.M.; Gakuya D.W.; Kanja L.W.; Kiama S.G.; Onyango M.A.; (2017) The legislative and regulatory framework governing herbal medicine use and practice in Kenya: a review, *Pan African Medical Journal*,28:232.
24. Mitchel OtienoOkumu, Francis Okumu, James MucunuMbaria, Laetitia Wakonyu Kanja, Daniel Gakuya, Alice WairimuKinyua, Paul Okumu, Stephen Kiama (2017) Mitigative effects of Moringaoleifera against liver injury induced by artesunateamodiaquine antimalarial combination in wistar rats. *Clinical Phytoscience* Vol. 3: pp 18-26
25. Okumu MO, Mbaria JM, Kanja LW, Gakuya DW, Kiama SG and Ochola FO Phytochemical profile and antioxidant capacity of leaves of Moringa oleifera (Lam) extracted using different solvent systems, *Journal of Pharmacognosy and Phytochemistry* 2016; 5(4): 302-308
26. Okumu MO, Mbaria JM, Kanja LW, Gakuya DW, Kiama SG, Ochola FO, Okumu PO (2016), Acute toxicity of the aqueous-methanolic Moringa oleifera (Lam) leaf extract on female Wistar albino rats *International Journal of Basic & Clinical Pharmacology | September-October 2016 | Vol 5 | Issue 5*

27. L. Njue, L.W. Kanja, J.N. Ombui, J.G. Nduhiu , D. Obiero (2014) Efficacy Of Antimicrobial Activity Of Garlic Extracts On Bacterial Pathogens Commonly Found To Contaminate Meat, *East African Medical Journal Vol. 91 No. 12 December 2014*
28. Njue L. G, Ombui J.N.Kanja L.W. Gathumbi J.K. Nduhiu J.G. Evaluation of oral toxicity level of ethyl acetate extract, from garlic (*allium sativum*) in onorrh dawleys rats as per OECD guidelines 423. *Journal of Food Science and Technology: ISSN-2384-5058, Vol. 2(3): pp 056-064, June, 2015.*
29. Kipsengeret K.; Mbaria J.M.; Kanja LW; Muchemi GM; Kitale P.M (2016). Pesticide recording and reporting in floricultural industry in Kenya. *International Journalof Scientific Research and Education 3(10):pp 4513-4521*
30. Isaac Omwenga, Laetitia Kanja, Joseph Nguta, James Mbari,; Patrick Irungu (2016) Organochlorine Pesticide Residues In Farmed Fish In Machakos And Kiambu Counties, Kenya Cogent OA Journal: Cogent Environmental Science DOI: <http://dx.doi.org/10.1080/23311843.2016.1153215>
31. Kangøethe, E.K; Aboge, G.O.; Arimi, S.M.; Kanja, L.W.; Omore, A.O.; McDermott, J.J. (2005). Investigation of the risk of consuming marketed milk with antimicrobial residues in Kenya. *J. Food Control 16: 349-355*

### **To be updated**

32. Wainaina
33. Grace
34. Kola S
35. Beatrice
36. Others -

### **CONFERENCES ATTENDED**

- i) Midterm Workshop of the UN Environment/GEF project ‘Continuing Regional Support for the POPs Global Monitoring Plan under the Stockholm Conventionø in the Africa Region 23-25 July 2018, Lusaka, Zambia  
Substantive progress report on the National Implementation of theUNEP/GEF GMP 2- Project, Kenya
- ii) Inception Workshop for UNEP/GEF project ‘Continuing Regional Support for the POPs Global Monitoring Plan under the Stockholm Convention in the Africa Region’, held on 6<sup>th</sup> - 8<sup>th</sup> July, 2016, Accra, Ghana.
- iii) Attended the Minamata Convention on Mercury Inception Workshop scheduled to be held on 17th May 2016 at Hotel Intercontinental, Nairobi
- iv) A National workshop in celebration of the scientific revival day of Africa. Theme: ÷Tapping Africaø Indigenous Knowledge, for Sustainable Economic Developmentø Organized by Kenya National Academy of Sciences. Laico Regency Hotel ó Nairobi, 26<sup>th</sup> June, 2015
- v) Lecturer Didactic Training Workshop, PREPARE BSc Project, 24<sup>th</sup> - 25<sup>th</sup> September 2015.FVM. CAVS.



- vi) Forum for Environmental Sustainability, Poverty Eradication and Gender Equality (FESPEGE) Workshop on Women, Children, Chemicals and Waste. 4<sup>th</sup> September 2014, Silver Springs Hotel, Nairobi, Kenya
- vii) Attended Quality Research Grant Audit Systems Training Workshop held at Coffee Research Foundation (CRF) Ruiru on 21<sup>st</sup> ó 23<sup>rd</sup> February 2012.
- viii) Chemicals Forum for the Strategic Approach to Chemical Management at Kenyatta International Conference Centre on 27<sup>th</sup> October, 2011, Nairobi  
(Ministry of Environment and Mineral Resources)
- ix) CAVS Training for access to e-resources for lectures and post-graduate students held on 7<sup>th</sup> Dec 2011, Computer Lab. 8.4.4 , building, CAVS.
- x) Continuous Professional Development On Advances in Pest Management And The Role of veterinarians, Department of Public Health, Pharmacology and Toxicology, 16<sup>th</sup> September, 2011
- xi) International Symposium on Field Toxicology, Jointly Symposium by Schools of Veterinary Medicine of University of Zambia and Hokkaido University held in School of Veterinary Medicine ó University of Zambia on 14 ó 16<sup>th</sup> October 2009.  
Paper presented -Organochlorine Pesticide residue levels in Landed Nile Perch (*Lates Niloticus*) from Lake Victoriaø
- xii) 2nd International Toxicology Symposium in Africa held at Samora Machel School of Veterinary Medicine, the University of Zambia on 8<sup>th</sup> -9<sup>th</sup> September, 2010. Paper presented- Assessment of mercury in water, sediment and fish samples from Lake Victoria in Kenyaø
- xiii) Chemicals Forum for the Strategic Approach to Chemical Management at Kenyatta International Conference Centre on 27<sup>th</sup> October, 2011, Nairobi (Ministry of Environment and Mineral Resources)
- xiv) Stakeholdersø workshop on knowledge management of the effects of pesticides to wild pollinators held on 25<sup>th</sup> November 2010 at Practical Training Centre (PTC), Thika
- xv) Malaria Decision Analysis Support Tool (MDAST) Project: Stakeholder Workshop ó Kenya. Held at Garden Hotel, Machakos - 16<sup>th</sup>- 18<sup>th</sup> August 2010
- xvi) Inception workshop for the sub-regional UNEP/GEF project øSupporting the Global Monitoring Plan on POPs in the Eastern and Southern African regionö 26-29<sup>th</sup> January 2010, Nairobi, Kenya

- xvii) Consultation on Workshop on Women Scientists of University of Nairobi. Held on Wednesday 14<sup>th</sup> July, 2010 at the Council Chamber.
- xviii) PhD Supervision training workshop held on 26-28<sup>th</sup> March 2010 at CAVS, University of Nairobi. Online training at PHPT
- xix) Fifth Biennial Scientific Conference Of the Faculty of Veterinary Medicine (University of Nairobi) 6- 8<sup>th</sup> September 2006;
- xx) Attended Training in Pedagogy for Teaching Staff of Faculty of Veterinary Medicine, 23<sup>rd</sup> ó 25<sup>th</sup> June 2008.
- xxi) Seminar on procedures of evaluation of pesticides ó Toxicology, ecotoxicology and efficacy, at Agricultural information resource centre (AIRC) on 16<sup>th</sup> July 2008. Paper presented -Local experience on: Conduct of acute toxicological studiesø Mbaria J. M. and Kanja L.W.
- xxii) Sixth Biennial Scientific Conference on Animal and Human Interaction held on September 17<sup>th</sup> ó 19<sup>th</sup> 2008. Paper presented ó Toxicological evaluation of heavy metals from major incineration in Nairobi, Kenya. Koros B. K., Mbaria J. M., Kanja L.W., Nanyingi M. O., Mbakaya F. C.
- xxiii) Faculty of Veterinary Medicine Team Building Workshop held on Saturday 24<sup>th</sup> January, 2009
- xxiv) University of Nairobi Proposal and Scientific Writing Workshop at Kenya School of Monetary Studies From 26<sup>th</sup>- 30<sup>th</sup> May 2007
- xxv) Attended the high level roundtable multilateral agreements on chemical with special reference to DDT used in control of malaria. Meeting held on 17<sup>th</sup> April 2003 at Mt. Kenya Safari Club. Nairobi. Presented a paper on -DDT in the Kenyan Environmentø
- xxvi) Attended (as a resource officer) a symposium for the identification of Kenyaø National Priority Research and Monitoring of Persistent Organic Pollutants in line with Stockholm convention. Presented paper on Biological monitoring of POPs in Agriculture and Environment held on 13<sup>th</sup> ó 17<sup>th</sup> October 2003 at Golf Hotel ó Kakamega, Kenya.
- xxvii) Attended Faculty of Veterinary Medicine workshop (as departmental representative) whose purpose was to draw future strategic plans for the faculty held in Aberdares Country Club, 10<sup>th</sup> ó 14<sup>th</sup> September 2003.
- xxviii) Biennial Scientific Conference of the Faculty of Veterinary Medicine August 7<sup>th</sup>-9<sup>th</sup> 2002. *Theme:* -Current advances in Multidisciplinary Research and Training in Veterinary Schoolsø held in CAVS - Faculty of Veterinary Medicine (UoN)

- xxix) Attended (as a resource officer) the Workshop on National Chemical Profiles and POPs Inventory Planning - Meeting held on 26<sup>th</sup>, 28<sup>th</sup>, 2002; Utalii Hotel  
GEF/UNEP/GoK Project Enabling Activities for the Development of a National Implementation Plan for Stockholm Convention on POPs - Ministry of Environment and Natural Resources.
- xxx) WIPO/KIPI/Moi University Seminar -Intellectual Property Rightsø in Universities at Moi University 3<sup>rd</sup>-6<sup>th</sup> Sept. 2002
- xxxii) Biometry Enhancement Workshop 2<sup>nd</sup> Nov. 2002 ó College of Agriculture and Veterinary Sciences (CAVS), UoN
- xxxiii) Biennial Scientific Conference of the Faculty of Medicine: August 30<sup>th</sup> - 31<sup>st</sup> 2000  
*Theme:* "Animal Health and Agricultural Productivity: Challenges of the millenium".  
College of Agriculture and Veterinary Sciences (CAVS), (University of Nairobi)  
Paper presented: ðScreening for antimicrobial residues in consumers and market agents' milk in Kenya using Charm Aim-96 testö. Aboge G. O., E. K. Kang'ethe, S. M. Arimi, L. W. Kanja, A. O. Omore, J. J. McDermott, J. K. Macharia, J. G. Nduhiu and A. M. Githua.
- xxxiiii) Environment 2000: Conference on Kenya's state of the Environment at United Nations Accommodation Centre, Gigiri Nairobi Oct. 23-27, 1990.
- xxxv) The Third World Conference on -Environmental and Health Hazards of pesticidesø Cairo, EGYPT 11-15 the December 1989. Paper presented -Organochlorine pesticides in Kenyan mother's milkø
- xxxvi) International conference on Bioassay Techniques in Pesticide Analysis, 10-14<sup>th</sup> March 1993. University of Guelph Ontario. Ministry of Agriculture and Foods. Guelph Ontario-Canada.
- xxxvii) Eastern Africa Environmental Network (EAEN) Sixth Annual Conference on Sustainable Development and Social Concerns in Eastern Africa, (24-25) May 1996 at Louis Leaky hall, National museums, Nairobi- Kenya.
- xxxviii) The Kenya Bureau of Standards National Food Control Seminar 6-9<sup>th</sup> October 1987.
- xxxix) East African sub-regional network for environmental chemistry workshop on pesticide residues and heavy metal analysis. 20<sup>th</sup> ó 27<sup>th</sup> July 1979.
- xxxx) Biennial Conference(CAVS) 2014

**(To be completed)**

## **MEMBERSHIP IN PROFESSIONAL SOCIETIES**

- Kenya Professional Association of women in Agriculture and Environment
- Kenya National Academy of Sciences.

## **COMMUNITY INVOLVEMENT**

Involved in various Church/Christian and Community activities.