

CURRICULUM VITAE



MUTUKU A. MWANTHI, BSc; MSEH; PhD

DATE OF BIRTH: 10.3.1949

NATIONALITY: Kenyan

MARITAL STATUS: Married with a daughter & 3 sons

CONTACTS: Office: School of Public Health
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University of Nairobi
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LANGUAGES: Fluent in English & Kiswahili

CURRENT POSITION Associate Professor of Environmental, Occupational Health & Safety
Head, Disease Prevention, Control and Health Promotion Unit

EDUCATION

Sept. 1990- May 1996 **PhD in Community Health Sciences (Major, Environmental & Occupational Health & Safety)**
School of Public Health, The University of Texas, Health Science Center at Houston, Texas, USA
Dissertation: Presence of three pesticides in rural drinking water sources in Kenya

Sept. 1981- Aug. 1982 **MSEH (MSc) Environmental Health**
East Tennessee State University, Johnson City, Tennessee, USA

Sept. 1974- Dec. 1979 **BSc. Biology with Minor in Chemistry**, Washburn University of Topeka, Kansas
Topeka, Kansas, USA

EMPLOYMENT HISTORY

- Feb.2010 to date** **Associate Professor, Head of Disease Prevention, Control & Health Promotion Unit**, School of Public Health, College of Health Sciences, University of Nairobi
- Feb.2004** **Chairman & Associate Professor**, Department of Community Health,
Feb.2010 College of Health Sciences, University of Nairobi
- Aug.2001** **Associate Professor**, Department of Community Health, College of Health Sciences
Jan.2004 University of Nairobi
- April. 1995-** **Senior Lecturer**, Department of Community Health, College of Health Sciences
Aug. 2000 University of Nairobi
- Feb.1984** **Lecturer**, Department of Community Health, College of health Sciences
March 1995 University of Nairobi
- Aug. 2001** Lecture environmental and occupational health courses to undergraduate, and graduate MPH medical, BSc. nurse students and BSc students- America University-overseas; Organize and participate in teaching of community health diagnosis in urban and rural communities to the second and fourth year medical students. In addition, give lectures to students on short-certificate courses in environmental& occupational epidemiology
- Sept 1996-** **Community Health Consultant**, International Public Health Associates, Inc.,
Houston, Texas
- July 1998** Developed community health management project packages; Designed, implemented and evaluated community health project activities; Assisted with projects coordination, scheduling and budgeting; Reviewed proposals for various projects
- Sept.1995-** **Graduate Research Assistant**, The University of Texas Health Science Center,
July 1996 Houston, Texas, Center for Health Promotion Research and Development, School of Public Health, The University of Texas Health Science Center at Houston, Texas. Assisted the center with the compilation of data and literature search
- Sept. 1993-** **Lecturer & Senior Lecturer**, Department of Community Health
May 1995 Lectured environmental and occupational health courses to undergraduate, and graduate MPH medical and BSc. nurse students; Organized and participated in teaching of the fourth year community health diagnosis in urban and rural communities
- Jan. 1991-** **Graduate Research Assistant**, Center for Clinical Trials, The University of Texas
Aug. 1993 Health Science Center, Houston. Texas. Performed duties pertaining to health care and clinical trials for survival ventricular enlargement study and monitored research data

- Feb. 1984-
Aug. 1990** **Lecturer**, University of Nairobi, Department of Community Health, Nairobi, Kenya
Taught environmental health course to second and fourth year medical and MPH students; Occasionally, lectured clinical officers, at the Medical Training Center. Organized, participated in 4th year community health diagnosis field teaching exercise; coordinated elective term placement and urban visits for the fourth year and MPH students
- Dec. 1982-
Aug. 1983** **Laboratory Technician**, Augusta Medical Complex, Augusta, Kansas
Performed hematology, serology, blood banking, chemistry and microbiology tests; Performed microscopic examination on urine, and occult stool examination; drew blood samples by both veni-puncture and arterial techniques and ran electrocardiogram tests
- July 1980-
Aug. 1981** **Medical Laboratory Technician**, Wesley Medical Center, Wichita, Kansas
Performed therapeutic drug monitoring using high pressure liquid chromatography, and in addition performed bilirubin tests and microscopic urinanalysis
- March 1980-
Dec. 1980** **Laboratory Technologist**, Consolidated Biomedical Laboratories, Wichita, Kansas
Performed biochemical analysis and therapeutic drug monitoring using high pressure liquid chromatography; Analyzed blood samples for the presence of heavy metals using Atomic Absorption (A.A); Member of the laboratory Fire and Safety Committee
- March 1977-** **Environmental Health Technician**, Shawnee County Health Department, Topeka, Kansas
- Feb. 1980** Identified mosquito breeding sites, identified larvae/pupae by their genus, organized and supervised the mosquito control spray crew
- Sept.1974-
Dec.1976** **Laboratory Assistant**, Union College, Lincoln, Nebraska
Assisted the Biology Department in setting up the laboratory experiments and in grading of the laboratory experiment reports
- March 1969-
Aug. 1974** **Entomological & Parasitological Laboratory Technologist**, Ministry of Health, Medical Research Laboratories, Nairobi, Kenya
Conducted entomological and parasitological field research in rural areas; Collected parasitic and entomologic disease vector specimens (mosquitoes, tsetse flies, sandflies, fleas, and snails, etc.) Collected data and human blood and fluids and semi-fluids specimens for laboratory examination for malaria, bilharzia, leishmaniasis, sleeping sickness, filariasis, plague and helminths

COMPUTER Microsoft Word, Power Point, SPSS, Minitab, Epi. info

INTERNAL & EXTERNAL PROFESSIONAL APPOINTMENTS

2010-Present Focal Point Person for One Health Central Eastern Africa (OHCEA) Regional Network

2010-Present **Chairman** for ONE HEALTH National Coordinating Committee

2007-Present Occasionally serve as **Peer-reviewer for the** East African Journal of Public Health

2007-Present **Internal Quality Auditor ISO 9001:2008**, University of Nairobi

2007- 2010 **Committee Member**, Universities of E. Africa accumulation and credit transfer

2007-Present **Chairman**, Committee for Occupational Health & Safety, College of Health Sciences, University of Nairobi

2007-Present **External Examiner**, Muhimbili University of Health & Allied Sciences University, Kenyatta University, Maseno University, Jomo Kenya University of Agriculture Science and Technology, Egerton University, University of Botswana, Gaborone and Makerere University, University of South Africa, Great Lakes University of Kisumu, University of Kabianga

2005-2010 **Task Force Member**, National Aviation Flu

2005-Current **Committee Member**, University of Nairobi Bio-safety Committee

2001-Present Occasionally serve as **Peer-reviewer** of East African Medical Journal

2001-2003 **Coordinator** of Departmental MPH Programme

2002-2013 **Board Member** for Health Alliance of Schools of Public Health in Eastern Africa Region

2004-2007 **External Examiner**, University of Dares Salaam Muhimbili College of Health Sciences, Institute of Public Health, Department of Environmental Health, Dares Salaam, Tanzania

2001 **Peer-reviewed** a manuscript on noso-comial infections for publication in the Journal of East African Medical Journal.

2001-Present **Committee Member**, National Council for Occupational Safety & Health, Ministry of Labour and Human Resource Department

2001-2004 **External Examiner**, Faculty of Health Sciences, Department of Environmental Health Moi University, Eldoret

2001 **Acting Chairman**, January 28 - February 2

2000 **Acting Chairman** for the Department; July and October

2001-2002	Coordinator , 4 months certificate course in Applied Epidemiology for Senior Health Personnel from the Regional African English speaking countries
2000-Present	Board Member , Kenya Voluntary Women Rehabilitation Centre (A Project Rehabilitating commercial sex workers)
1999-2001	External Examiner , Kenyatta University, MPH & EPIDEMIOLOGY Programme
1999-2001	External Examiner , Kenya Medical Training Centre, Diploma & Post Diploma Environmental Health Programme
1999-Present	Advisee/Supervisor , MPH/MSc & Ph.D. students' theses/dissertations, School of Public Health, University of Nairobi & other Universities

MPH/MSc STUDENTS SUPERVISED AND GRADUATED

- i) Dr. G. Mutua, The Health Related Quality of Life on HIV/AIDS Patients on Antiretroviral Therapy in Nairobi; Graduated in MPH, 2004.
- ii) Dr. C.E. Ekuttan, Biological and Chemical Health Risks Associated with Smallholder Dairy Production in Dagoretti, Nairobi; Graduated in MPH, 2006.
- iii) Dr. Isabel W. Maina, Risk Factors of Childhood Malnutrition Among Children Aged 6-59 months in Makuyu Division, Maragua District; Graduated in MPH; 2006.
- iv) Ms. Gladys Motende The Impact of Out- Door Air Pollution on School Children in Nairobi; Graduated in MPH; 2007.
- v) Dr. T.M. Ngere, Determinants of Food Handling Practices in Academic Institutions, Nairobi; Graduated in MPH; 2010.
- vi) Dr. Tom Olewe, Blood Lead and Exposure Risks Factors in Kibera Children , Nairobi, Graduated in MPH; 2008.
- vii) Dr. Njogu, Solid Waste Management; Graduated in MPH, December 2009.
- viii) Mrs. Rose Omutanyi, Immunization Coverage and the Provision of Maternal Child Health (MCH) Services in Butere-Mumias District of Western Province, Kenya, MSc; Graduated 2004.
- ix) Mrs. Margaret Odindo, The Role of Governmental and Non-Governmental Organizations in Mitigation of Stigma and Discrimination among HIV/AIDS Persons in Kibera, Kenya, MSc- Graduated 2006.
- x) Mary Sang, Evaluation of the Functions of Occupational Health & Safety Committees

at Select Work Places; Graduated in MPH; 2010.

- xi) Jacqueline A. Oreta, Relationship Between Sanitation and Opportunistic Infections Among AIDS Cases in Soweto, Nairobi; Graduated in MPH; 2011.
- xii) Brenda Makokha, Risks associated with selected blood borne pathogens and utilization of post prophylaxis exposure in two health care facilities in Kenya. Graduate in MPH; 2012 .
- xiii) Annette Warero, Evaluation of Sanitation in Primary Schools in Kajiado Central. Graduated in MPH; 2013.
- xiv) Moses Shibona Wamadiwa, Factors Associated with Irrational Use of Anti-Malarial in Nairobi East lands. Graduated in MPH; 2013.

PhD STUDENTS SUPERVISED AND GRADUATED

- i) Dr. Salome Kathoni Ireri, Comparison of Competencies and Development Needs of Doctor Managers in Kenya and United Kingdom. Graduated in PhD; 2010, The University of Manchester, United Kingdom.
- ii) Dr. Jefitha, Karimurio, The Segment Knockout Survey Method for a Large Trachoma-endemic Districts. Graduated in PhD; 2013, Melbourne University, Australia.
- iii) Abdi Osman, Ground Water Quality in Wajir (Kenya) Shallow Aquifer: An Examination of the Association Between Water Quality and Water-borne Diseases in Children. Graduated in PhD; 2013, LaTrobe University in Australia.

POST GRADUATE STUDENTS SUPERVISION IN PROGRESS

- i) Dr. Olewe, Blood Lead and Exposures Among Occupational Health Subjects in Nairobi (**PhD Provisional candidate September 2013**).
- ii) Grace Kibua, Childcare Practices and Nutritional Status Among Under 5 years in Southland informal settlement (**Revising/doing corrections after passing dissertation defense, December 2013**).
- iii) Mwaniki B. Karim, An Assessment of Role of third delay in maternal morbidity and mortality in Kiambu County, Central Kenya (**Analyzing data, January 2014**).
- iv) Rossanna Madara (Assessment of Rape in Health Facilities (**Revising the final proposal draft for submission to Ethics committee, December 2013**).
- v) Stella Mwangi, An Assessment of Level of Sanitation in Primary Schools in

Embakasi District Nairobi (**Submitted first write up of draft of dissertation after data collection, Sept. 2013**).

- vi) Ema Muindi An assessment of Fire Safety Preparedness at KMTCs (**Revising final draft of dissertation since January 2014**) .
- vii) Gloria Nduku Mululu, An Investigation as to how the Kenya Prison System supports occupational stressors among staff in Taita Taveta (**Working on first dissertation draft, August 2013**).
- viii) Priscilla Ngunju, Factors Influencing Solid waste Management in Secondary Schools in Kikuyu, Kiambu County (**First draft of dissertation proposal development, August 2013**).

1999-Present Board Member, Itetani Secondary School Board of Governors.

May 1996 **Peer-reviewed** a manuscript on HIV/AIDS published in the Journal of AIDS CARE (1997), Vol. 9, NO. 2.

**June 1994-
May 1995** **Chaired** a consultancy team; evaluated the impact on maintenance and repairs of equipment in health care facilities in Kenya.

**Oct.1993-
May 1995** **Chaired** a Departmental Infrastructure and Facilities Committee. Assisted in budgetary and financial allocations; Overseeing of maintenance and repairs.

**Oct.1993-
May 1995** **Committee Member** of Departmental Education and Research Reviewed faculty research proposals and students theses proposals.

**Oct. 1993-
May 1995** **Team Member**, a collaborative program between universities of Nairobi, Manitoba, Canada and Washington, Seattle; a collaborative program on sexually transmitted diseases (STDs) HIV and AIDS Control.

**Jan.1987-
Sept.1995** **Warden** of medical students, University of Nairobi, Kenya Monitored and supervised the welfare of 500 medical students in their dormitories; Regularly inspected the dormitories for safety, maintenance and sanitation.

**July 1990-
Aug. 1990** **Lecturer**, delivered series of lectures on community based participatory teaching in rural communities of Kenya to 5 American Harvard and 5 Russian medical students.

**Jan. 1990-
June 1990** **Lecturer**, Day Star University, Nairobi, Kenya. Taught community health and development to undergraduate and graduate students.

Feb. 1990 **Chaired**, Steering Committee on global warming and adaptive response, Perth, Australia.

- 1988-1995** **Advisee/Supervisor**, 5 MPH students' theses, Department of Community Health, University of Nairobi, Kenya.
- June 1986** **Lecturer**, delivered 4 hours lecture on □What is community health! to KIA social work students, Kenya.
- May 1985** **Role Player** in production of a primary health care film, played in Women's Decade Conference held in Nairobi, Kenya.

PROFESSIONAL MEMBERSHIP

East Africa Public Health Association
 National Environmental Health Association
 International Commission on Occupational Health (ICOH)
 Association of School of Public Health in Africa
 Alliance of Schools of Public Health in East Africa
 One Health Central and Eastern Africa (OHCEA)

HONORS AND AWARDS

- 2010** **Appreciation for Faithful Service as Chairman of Department of Community Health, 2003-2010**, from Members of the Department of Community Health.
- 2009** **James C Petrie Visiting Fellowship** @ Section of Population Health, University of Aberdeen, Scotland.
- 1997** **Distinguished Scientist- American Men& Women of Science**, United States and Canada.
- 1990-1996** **Scholarship**, Germany Academic Exchange (DAAD) to pursue doctoral program at The University of Texas, Health Science Center at Houston, School of Public Health.
- 1994** **Certificate** of Participation in the FKE/ILO/UNEP, Environmental Training of Trainers Seminar, Nairobi, Kenya.
- 1992** **Delta Omega**-The Honorary Society in Public Health: Certificate of appreciation in recognition of the quality of my contribution to the 1992, Delta Omega essay contest on "Public Health As Social Justice".
- 1992** **Certificate Award**, NIOSH-South West Center for Occupational & Environmental Health, Certificate Award upon completion of Indoor Air Quality and Health, Texas.
- 1990** **UTHSC- Laboratory Safety Certificate**, The University of Texas, Health Science Center at Houston, Texas.
- 1987** **Scholarship**, British Council to attend a Senior Scientific Course on Pollution Aspects of Environmental Health, London (Certificate of completion awarded).

1982 **Appreciation Award** for outstanding lectures to students and teachers of Bristol, Tennessee School Systems.

1979 **Dean's Honor Roll**, Washburn University; List for excellent course work grades

RESEARCH AND CONSULTANCY INTERESTS

Environmental and occupational epidemiologic studies, particular interests in water and sanitation; Solid and hazardous wastes management; Environmental impact assessments (EIAs); Hazard risk and exposure assessments; Impact of agrochemicals on industrial, agricultural workers and small-scale farming communities; Needs assessment on environmental sanitation in consumer products and producing plants; Evaluation and implementation of sanitation programmes tailored to public eating premises (hotels, restaurants, kiosks, etc.); Design, development and implementation and assessment of community based environmental programmes; Environmental and occupational management and education; Expertise in environmental, occupational health planning and policies in developed and developing nations.

GRANTS, RESEARCH, & CONSULTANCY ACCOMPLISHED

Oct. 2009 National WASH Base Line Survey, UNICEF/Ministry of Public Health &
June 2010 Sanitation and Ministry of Water and Irrigation

Jan.2006- **Consultant**, UNICEF/Ministry of Health Funded Project. Infections of
June 2006 intestinal Worms Among Nairobi Primary School Children.

Dec.2004- **Co- Consultant member**, DANIDA Funded North Eastern Province (NEP)
Feb.2005 Baseline Health Survey.

June 2002- **Co- Consultant member**, Development of National Inventory on Persistent
Present Organic Pollutants.

2003 **Co- Consultant member**, Formative Assessment of AIDS/HIV in Meru town and its environs.

Nov. 2002 **Conducted Consultancy** with Inter-soft Local Company on Environmental Management and Occupational Health & Safety.

Oct.2000- **Co- Consultant member**, in development of Curriculum & Trainers Manual for
March 2001 Management of HIV/AIDS programme for the work place- for the Centre for African Family Studies.

March 2000 **Consultant**. Locally, trained Food Manufactures and Food Establishment Managers on Hazard Analysis Critical Control Points (HACCP) Procedures.

June 1994- **Team member**; evaluated German Technical Cooperation (GTZ), project on
May 1995 maintenance and repairs of equipment in health care facilities in Kenya.

Jan.1994- **Principal Investigator** Assessment of solid waste management in Nairobi

- May 1995** City. Funded by GTZ (**Grant US\$10,500.00**).
- Oct.1993-1995 May** **Co-Investigator**, MPH graduates evaluation study. Funded by GTZ (**Grant US\$ 8,000.00**).
- Feb.1995-March1995** **Team Member** of local and international experts; evaluated a 5 year intervention program on STDs/ HIV and AIDS in Kenya.
- June 1989-May 1995** **Co-Investigator** , A five year National Project on STDs, HIV/AIDS. Funded by the Canadian International Agency for and Development (CIDA), (**Grant US\$ 480,000.00**).
- Nove.1993-May 1995** **Principal Investigator**, Pesticide levels in rural community drinking water sources in Kenya Funded by GTZ (**Grant US\$25,000.00**).
- June 1994** **Consultant**, Development Solutions for African Firm, Nairobi; Estimated the number of senior environmental health specialists for Kenya from 1994 and beyond the year 2000.
- 1986-1990** **Principal Investigator**, Pesticide Handling at Community Level project, "funded by the International Development and Research Center of Canada (**Grant US\$ 25,000.00**).
- March 1986-July 1989** **Consultant**, African Development and Economic Consultants Ltd. Nairobi; developed an instrument for collecting environmental health and community based data, for the Kenya Ministry of Health information and planning systems.

RESEARCH AND CONSULTANCIES

1. Consultants Mwanthi, M.A. and Kinoti, M. Siemens Stiftung. Training on Hygiene and Sanitation, Thika, Nakuru and Eldoret, August 2013.
2. **Consultant**, Mwanthi, M.A. UNICEF/Ministry of Public Health & Sanitation and Ministry of Water and Irrigation. National WASH Baseline Survey, Aug 2010.
3. **Consultant**, UNICEF Funded Project. Infections of Intestinal Worms Among Nairobi Primary School Children, January 2006-October 2006.
4. **Co- Consultant member**, Danida Funded North Eastern Province (NEP) Baseline Health Survey, Dec 2004-May 2005.
5. **Consultant; Mwanthi, M.A.**; Kimani, V. N., Njeru, E; Thuita, F. Formative Assessment of IV/AIDS status in Meru Municipality, Report at DCH –Strengthening of STIS/HIV/AIDS, January 2003.
6. **Consultant; Mwanthi, M.A** Assessment of Quality and Food Sanitation, KAPA factory, Nairobi, December, 2002.
7. **Consultant; Mwanthi, M. A.** and Ngugi; E. Development of A Trainer’s Manual for

A Regional Course in Management of HIV/AIDS in a Work Place, October 2000-March 2001. **Report at the Centre for African Family Studies CAFS , Nairobi, Kenya.**

8. **Consultant;** Kimani, V. N; **Mwanthi, M. A;** Olenja, J. and Ngugi, E. N.A Home based care-giver study on HIV/AIDS and other chronic diseases in Machakos and informal settlements in Nairobi (**Published in WHO reports**).
9. **Mwanthi, M. A;** et al. A report on the impact of maintenance and repairs of equipment in health care facilities in Kenya, 1994-95. **Report in the DCH Library.**
10. **Mwanthi, M. A;** Nyabola, L; and Tenambergen. E. An assessment of solid waste in Nairobi City. March-May 1994. **Report in the DCH Library.**
11. **Mwanthi, M. A.** and Kimani, V.N. Agrochemicals Handling: A KAP study assessing people's perception and awareness of agrochemical hazards at the community level **Report of a research project funded by IDRC, Department of Community Health, University of Nairobi, 1990.**
12. **Mwanthi, M. A;** Mutere,A; Wiseman, J. An instrument for collecting environmental health and community based data in Kenya; 1988. **Report in Ministry of Health, Kenya.**

PUBLICATIONS (PEER-REVIEWED JOURNALS AND PROCEEDINGS)

1. **Mwanthi M. A.** Enhancing Occupational Health and Safety in Healthcare Settings **Paper presented at the Infection Prevention Network-Kenya in collaboration with Infection Control Africa Network (ICAN) Regional IPC Scientific Conference , 6-8th November 2013, The Sarova White sands Beach resort &spa, North coast Mombasa, Kenya.**
2. Kety P; **Mwanthi M .A.** etal. One Health Field Attachment and One Health Demonstration Sites: Taking the Long View. **Paper presented at the 1st International One Health Conference, 23-26 September 2013, Hilton Hotel, Addis Ababa, Ethiopia.**
3. Thaiyah, A.G; Kirui G; Koskei P; **Mwanthi M;** etal. One Health Knowledge and Inservice Training Needs in Kenya. Paper presented at the **1st International One Health Conference, 23-26 September 2013, Hilton Hotel, Addis Ababa, Ethiopia.**
4. **Mwanthi, M. A.** The Role of Employers and Stakeholders in Control of Occupational Hazards. **Submitted in December 2013 to African Journal for Community Health and Development.**
5. Abdi D. Osman, Priscilla Robinson, **Mutuku Mwanthi,** Vivian Lin and Darry Jackson. Millennium Development Goal Seven, Target 7C: Achievements and Barriers in Kenya's Arid and Semi-arid Land. World Journal of Social Science Vol. 1. No. 1 (2014) on line: www.sciedu.ca/wjss

6. Wangai MW; **Mwanthi MA**; Mbugua, GG; Wangai PK, Suleh AJ; Kocholla, LA. Occurrence of Adverse Drug Reaction Associated with Highly Active Antiretroviral Therapy at Mbagathi District Hospital, Nairobi, Kenya. *East African Medical Journal* Vol. 88. No. 11 (2011).
7. Tomedi A; Tucker K; **Mwanthi M A**. A Strategy to Increase the Number of Deliveries with Skilled Birth Attendants in Kenya. *Int J Gynaecol Obstet*. 2013 Feb;120(2):152-5. doi: 10.1016/j.ijgo.2012.09.013. Epub 2012 Nov 26.
8. Livingston,A; Tomedi A; Campbell A; Morales C; **Mwanthi M A**. A Community Health Worker Home Visitation Project to Prevent Neonatal Deaths in Kenya. **Journal of Tropical Pediatrics 2012; doi: 10.1093/tropej/fms034.**
9. Angelo Tomedi¹, Felisha Rohan-Minjares^{1,*}, Kate McCalmont², Rebecca Ashton², Rose Opiyo³ and **Mutuku Mwanthi**. Feasibility and effectiveness of supplementation with locally available foods in prevention of child malnutrition in Kenya. **Public Health Nutrition: page 1 of 8 i:10.1017/S1368980011002217.**
10. DG Stromberg, J Frederickksen, J Hruschka, A Tomedi, Angelo, **M Mwanthi**. A Community Health worker Programme for Prevention of Malaria in Eastern Kenya. **Education for Health, Vol.24, Issue 2, 2011.**
11. Jefitha Karimurio, Hillary Rono, Richard Le Mesurier, **Mutuku Mwanthi**, Jill Keeffe What are the correction factors for extrapolating the overall prevalence and backlog of trachomatous trichiasis in surveys which are not standardized? **British Journal of Ophthalmology(2011) doi:10:1136/bjo 2010.193268.**
12. Salome Ireri, Kieran Walshe, Lawrence Benson, **Mutuku A. Mwanthi**. A Qualitative and Quantitative Study of Medical Leadership and Management: Experiences, Competencies, and Development Needs of Doctor Managers in the United Kingdom. **Journal of Management and Marketing in Healthcare Vol.4,NO.1,Feb 2011, PP.16-29.**
13. Jefitha Karimurio, Hillary Rono, Richard Le Mesurier, **Mutuku Mwanthi**, Jill Keeffe What is the appropriate age range of individuals to be included in a survey to estimate the prevalence of trachomatous trichiasis? **British Journal of Ophthalmology 2011; 95:1058-1060.dio:10.1136/bjo.2010.193268.**
14. Hruschka, JA, Tomedi AJ, Broudy BW, Frederickson J, Stromberg DG, Schmitt, C L and **Mwanthi, MA**. Effectiveness of Community Health Care Workers in the Prevention of Diarrhea in Rural Kenya. **Journal of Investigative Medicine, Vol.58. NO.1, Jan 2010.**
15. Rose O. Opiyo, **Mutuku A. Mwanthi**, Mary K. Kinoti, Prescilla S. Migori. Intestinal Worm Infections and Nutritional Status of School Children in Nairobi Province, Kenya. **African Journal for Community Health and Development. Vol. 1;NO.1. 52-56, 2009.**
16. Tom M. Olewe* ; **Mutuku A. Mwanthi**; Joseph K. Wang'ombe and Jeffrey Griffith.

Evaluation of a Portable Blood Lead Analyzer as an Alternative to Graphite Furnace Atomic Absorption Spectrophotometer. **Journal of Applied Biosciences**, (2008), Vol. 10:483-487. ISSN 1997-5902: www.bioscience.elewa.org

17. Olewe T, **Mwanthi, M**, Wang'ombe.J. and Griffiths.J. Blood Lead Levels and Potential Environmental Exposures Among Children under five years in Kibera, Nairobi. **Journal of Applied Biosciences**, (2009), Vol. 13:688-694. ISSN 1997-5902: www.bioscience.elewa.org
18. Mwanthi, M. A. Planning of Occupational Health and Safety Activities. **East African Newsletter on Occupational Health and Safety**, August 2009.
19. **Mwanthi, M.A.**, Kinoti .M; et al. Prevalence of Intestinal Worm Infections Among Primary School Children in Nairobi City, Kenya. **East African Journal of Public Health**, Vol. 5. NO. 2, August, 2008, pp. 86-89.
20. Odindo, M and **Mwanthi, M.A.** Role of Governmental and Non-Governmental Organizations in Mitigation of Stigma and Discrimination Among HIV/AIDS Persons in Kibera, Kenya. **East African Journal of Public Health**, Volume 5. NO.1 April 2008.
21. Omutanyi, M and **Mwanthi, M.A.** Determinants of Immunization Coverage in Butere-Mumiasi District. **East African Medical Journal**, 82:(10). 501-505, 2005.
22. **Mwanthi, M. A.** and Mutua, G. N. Proposed Procedures for Management of Waste Generated by Health Care Facilities. **African Journal of Environmental Assessment and Management**, 4: (1). 39-45, 2002.
23. Elizabeth Ngugi, Violet Kimani, **Mutuku Mwanthi** and Joyce Olenja, 2002. Community Based Care in Resource Limited Settings: A Framework for Action, WHO (Book Publication).
24. **Mwanthi, M. A.** The Impact of Urbanization and Industrialization on Kenya's Environment and Health. **Nairobi Journal of Medicine**, 21: (1).15-17, 2002.
25. **Mwanthi, M.A.**, Essien, E.J., Muchunga, E., Austin, J. and El Gamal, Y. Emerging effects of industrialization on health and environment in developing countries. **Health Line: A Journal of Health**, 5: (2). 26-29, 2001.
26. **Mwanthi, M. A.** Occurrence of three pesticides in community water supplies, Kenya. **Bulletin of Environmental Contamination and Toxicology**, 60:601-608, 1998.
27. **Mwanthi, M. A**; Nyabola, L. O; Tenambergen, T. Solid Waste Management in Nairobi City: Knowledge and Attitudes. **Journal of Environmental Health**, 60:23-29, 1997.
28. **Mwanthi, M. A**; Nyabola, L. O; Tenambergen, T. The present and future status of municipal solid waste management in Nairobi. **International Journal of Environmental Health Research**, 7:345-353, 1997.
29. **Mwanthi, M. A.** A Proposal for Senior Manpower Development in Environmental Science in

Kenya, **International Journal of Environmental Health Research**, 7:315-330, 1996.

30. **Mwanthi, M. A.** Presence of three pesticides in rural drinking water sources in Kenya (a doctoral dissertation, April 1996) **School of Public Health Library, The University of Texas, Health Science Center at Houston.**
31. Kimani, V.N. and **Mwanthi, M.A.** Agrochemicals exposure and health implications in Githunguri Location, Kenya. **East African Medical Journal**, 72:531-535, 1995.
32. **Mwanthi, M.A.** Agrochemicals: Potential health hazards in Africa. **Africa Health**, 6:18-19, 1994.
33. **Mwanthi, M.A.** Justification for senior environmental health (officers) specialists in Kenya. **International Seminar Proceedings on Environment, Sustainable Development and Human Health, Varanas, India. February 11-15, 1995.**
34. **Mwanthi, M.A.** and Kimani, V.N. Community Participation Approach: A Kenyan model for minimization of agrochemical hazards. **Nairobi Medical Journal**, 18(1): 24-26.
35. **Mwanthi, M.A.** and Kimani, V.N. Agrochemicals pose health risks to coffee factory workers in Githunguri, Kenya. **International Journal of Environmental Health Research**, 3:73-81, 1993.
36. **Mwanthi, M.A.** and Kimani, V.N. Patterns of agrochemical handling and community response in Central Kenya. **Journal of Environmental Health**, 55:11-16, 1993.
37. **Mwanthi, M.A.** Africa: The changing Environment and Health. **International Journal of Environmental Health Research**, 2:84-88, 1992.
38. **Mwanthi, M.A.** and Kimani, N.V. Pesticides hazards. **An International Journal of Health Development WHO; Geneva**, 11:430, 1990.
39. **Mwanthi, M.A.** and Kimani, V.N. Agrochemicals: a potential health hazard among Kenya's small-scale farmers. Impact of pesticide use on health in developing countries. **IDRC.Proceedings of a symposium held in Ottawa, Canada, 17-20 Sept. 1990.**
40. **Mwanthi, M.A.** Introduction to Machakos District for MBChB students, **The Nairobi Journal of Medicine**, 16:30-39, 1989.
41. Kimani, N.V. and **Mwanthi, M.A.** Pesticide handling at Community level: Perceptions and awareness of health hazard. Paper presented at the Annual KEMRI/KETRI Medical Scientific Conference, Nairobi, February, 6-10, **KEMRI/KETRI Proceedings 1989.**
42. **Mwanthi, M.A.** Agrochemical hazards: A situational analysis on handling of 1agrochemicals in selected coffee factories in Kiambu - Central Province of Kenya. Paper presented at a symposium on Environmental Pollution and its Management in Eastern Africa, Dar-es-Salaam, Tanzania, September 11- 15, 1989. **Environmental Pollution & its Management in Eastern Africa Proceedings 1989.**

43. **Mwanthi, M.A.** A comparison and Evaluation of Head lice (Pediculus Capitis) infestations in Washington County and Johnson City Public School Systems (M.S.E.H.bound non-thesis research paper) **East Tennessee State University Library,1982.**
44. Mwanthi, M.A. The Threat of Environment is Rising. . **Horizon Feature: Health and Environment. Daily Nation News Paper, 14 March 2002.**
45. **Mwanthi, M.A.** Cost of Work-Related Accidents. **Horizon Feature: Health and Environment. Daily Nation News Paper, 28 February 2002.**
46. **Mwanthi, M.A.** There are Hidden dangers in Common Household Products. **Horizon Feature: Health and Environment. Daily Nation News Paper, 21 February 2002.**
47. **Mwanthi, M. A.** The Microwave Revolution. **Horizon Feature: Health and Environment. Daily Nation News Paper, 14 February 2002.**

Published in peer reviewed Journals have bolded numbers

Book Chapters : In Environmental and Occupational Health and Safety Part I and II, First Edition, Acrodile Publishing, 2014; ISBN-978-9966-32-2.

- i) **Mutuku A. Mwanthi** and Paul Gichia: Chapter 2: Water and Health (**In Environmental and Occupational Health and Safety Part I**).
- ii) **Mutuku A. Mwanthi** and Mary Kinoti: Chapter 7: Environmental Health and Toxicology (**In Environmental and Occupational Health and Safety Part I**).
- iii) **Mutuku A. Mwanthi** and Apollo Musa: Chapter10: Food Quality Control (**In Environmental and Occupational Health and Safety Part I**).
- iv) **Mutuku A. Mwanthi** and Samuel O. Afubwa: Chapter1:Occupational Health and Safety (**In Environmental and Occupational Health and Safety Part II**).
- v) Simth, WCS and **Mwanthi, MA**: Chapter 41: Tick borne disease –Changing patterns and effective interventions (**Published in Environmental Medicine Text Book; edited by Jon G. Ayres,etal. 2010**).

CONFERENCES, WORKSHOPS AND SEMINARS

Nov.2013 Attended, participated and presented 1 scientific paper; Enhancing Occupational Health and Safety in Healthcare Setting at the IPNET-KICAN conference , White Sands Beach Resort & Spa, North Coast, 6-8 November 2013.

- Sept. 2013** Attended, participated and presented 2 scientific papers in the OHCEA International Conference, September 2013, **Addis Ababa, Ethiopia.**
- August 2013** Attended and participated in OHCEA focal persons regional workshop on review of progress since January 2013, **Kigali, Rwanda.**
- July 2013** Attended and participated in a Regional Health Alliance workshop on review of progress since 2008, at **Norfolk Hotel, Nairobi.**
- July 2013** Attended and participated in Occupational Health and Safety workshop at the **Great Rift Valley Lodge, Naivasha**; presented 2 papers, i.e. Occupational Disease Surveillance and Developing a Strategy for Occupational Health and Safety (Management Commitment and Employee Involvement).
- May 2013** Attended and participated in OHCEA NCCC and focal persons regional workshop by OHCEA, **Arusha, Tanzania.**
- April 2013** Attended and participated in Medical Education Training workshop at **Maastricht University, Netherlands.**
- March 2013** Attended and participated in OHCEA focal persons regional workshop by OHCEA, **Addis Ababa, Ethiopia.**
- Jan. 2013** Attended and participated in inter-university collaboration-curriculum workshop by OHCEA, **Nairobi, Kenya.**
- Dec. 2012** Attended and participated in quality assurance workshop by OHCEA, **Nairobi, Kenya.**
- Sept. 2012** Attended and participated practical and applied One Health related training programmes, **Dares Salaam, Tanzania.**
- August 2012** Attended and participated in ONE Health Central and Eastern Workshop on development of regional and country OH work plans, **Kampala, Uganda.**
- August 2012** Attended and participated practical and applied One Health related training programmes, **Dares Salaam, Tanzania.**
- May –June 2012** Attended and participated in ONE Health Faculty Exchange Programme (Public Health Institute Summer Seminars) at the University of **Minnesota, Minneapolis, USA.**
- Dec. 2011** Attended and participated in ONE Health Central and Eastern Africa (OHCEA) workshop in Management and leadership, **Kampala, Uganda**
- May 2011** Attended and participated in ONE Health Central and Eastern Africa (OHCEA) workshop in Management and leadership, **Kinshasa, DRC.**

- April 2011** Delivered a Public Lecture at the University of Nairobi on The Role of Employers and Stakeholders in Control of Occupational Hazards.
- March 2011** Attended and participated in AfricomNet, **Top Tower Hotel, Kigali, Rwanda.**
- March 2011** Attended and participated in Curriculum Peer Review hosted by Kenya Commission of Higher Education (K-CHE), **Kenya Monetary Studies, Nairobi, Kenya.**
- Mar 2011** Attended and participated in ONE Health Central and Eastern Africa (OHCEA) **Safari Park Hotel, Nairobi, Kenya.**
- Feb. 2011** Attended and participated in ONE Health Central and Eastern Africa (OHCEA) **Kigali, Rwanda Hotel, Nairobi.**
- Dec. 2010** Attended and participate in ONE Health Central and Eastern Africa (OHCEA) **Serena Hotel, Nairobi.**
- Oct. 2010** Attended and participated in DHS Workshop at **Sopa Lodge, Naivasha** 18- 22 October 2010.
- Oct. 2009** Muriithi, J ; Ojee, A; **Mwanthi, A**; Muthoka, N; Nchafatso, O. Knowledge on Factors Contributing to Prevalence of Three Communicable Diseases Among Ngewa Location Community Members. **Paper Presented at Kenyatta National Hospital Annual Conference, 8-9 October 2009.**
- Oct. 2009** **Attended and Presented a Paper.** Factors Contributing to Recurrent Water Shortage in Nairobi City and Potential Impacts **at Kenyatta National Hospital Annual Conference, 8-9 October 2009.**
- Oct. 2009** **Attended and Presented a Paper.** The Role of Employers and Stakeholders in Control of Occupational Hazards **at Kenyatta National Hospital Annual Conference, 8-9 October 2009.**
- June 2009** **Attended and Presented a paper on** Factors Contributing to Recurrent WaterShortages in Nairobi City, **at University of Aberdeen International Seminar, June 2009.**
- June 2009** **Attended and Presented a paper on** MBChB Community Health Diagnosis Programme Perspective **at University of Aberdeen International Seminar, June 2009.**
- April 2009** **Organized and participated** in a collaborative International Seminar on Emergency Preparedness and Management, organized by Department of Community Health and Department of Metereology, University of Nairobi & Wales University, Cardiff. Presented a paper: **Historical Development of Legal Framework for Work Places in Kenya, 24th April 2009, University of Nairobi.**
- Mar 2009** **Attended and participated in a Seminar** on Communication regarding

HIV/AIDS stigmatization, University of Nairobi and School of Public Health John Hopkins University, USA. **30th March -1st April 2009, Nyali Beach Hotel, Mombasa.**

- Aug.2008** **Attended and participated in a workshop:** East Africa Co- Curriculum Development (CCD) Workshop at Muhimbili University of Health Sciences & Applied Sciences, **Dares-Salaam.**
- May 2008** Participated in a workshop Alliance for Schools of Public in East Africa & neighboring countries(DRC, Rwanda & Ethiopia), Speke Hotel Munyonyo , Uganda.
- Sept. 2007** Participated and presented a Paper on MPH Curriculum and Health Promotion Course, **Dares-Salaam, Tanzania.**
- Sept. 2007** Participated and Presented a Paper on Challenges on Attaining the Millennium Development Goals in Africa at the African management Communication, **Hilton Hotel, Nairobi.**
- May 2007** Participated and Presented a Paper on The Status and Future of Applied Epidemiology Course for Anglophone (African) countries, **Benin.**
- Feb 2007** Presented a Paper entitled: Role of Governmental and Non-Governmental Organizations in Mitigation of Stigma and Discrimination Among HIV/AIDS Persons in Kibera, Kenya, **Nairobi.**
- Sept. 2006** Participated and Presented a Paper Entitled “The Status of Effluent Treatment and Safe Waste Disposal of Toxic & Obsolete Pesticides Under the Stockholm Convention” .Kenya Country Report, UNIDO-RENPAP Workshop, **Bogor, Indonesia,** 18-20 Sept.2006.
- July 2006** Participated in University of Nairobi Management of Examinations Workshop, **KCCT Mbagathi, Nairobi.**
- June 2006** Participated in University of Nairobi Beyond Module II Workshop, **Kenya School of Law, Nairobi.**
- Feb 2006** Participated in University of Nairobi Human Resources & Financial Management Workshop, **KCCT Mbagathi, Nairobi.**
- March 2005** Participated in University of Nairobi Strategic Planning Workshops, **Machakos Garden Hotel.**
- May 2005** Participated in University of Nairobi Workshop on UNITID Curriculum Development, **Lake Bogoria.**
- July 2005** Participated in Africa Academic Institutional Workshop on Injections Safety and Infections Prevention and Control, **Zimbabwe.**

- April 2004** Participated in African Millennium Development Goals Workshop focusing on health, **WHO, Brazzaville.**
- Feb. 2002** Participated and presented a paper entitled: Pesticides as Occupational Health Hazards in the Kenya Flower Industry at the Workshop Organized by the **International Labor Organization, Kenya Human Rights Commission and The Workers Rights Organization, Pan Afric Hotel, Nairobi.**
- Nov 29 2001** Participated and presented a paper entitled: Occupational Diseases and Other Related Health conditions at the Workshop Organised by **Kenya Medical Association, Serena Hotel, Nairobi.**
- April 5 2000** Participated and presented a paper entitled: A safe adequate water supply and basic sanitation **at the Health for All at The Year 2000: Wishful Thinking or Realistic Goal, 5-7 April 2000, Silver Springs, Nairobi.**
- May 1 1996** Presented a paper entitled: Exposure to pesticides through drinking water in a rural community in Kenya **at the International& Family Health Seminar, School of Public Health, The University of Texas, Health Science Center at Houston.**
- April 1996** Attended the World Health Celebrations and presented (displayed) a poster on **Kenya's Health Profile at School of Public Health, The University of Texas at Health Science Center at Houston.**
- Feb.11-1995** Attended and presented a paper: Justification for senior environmental health specialists in Kenya, at the **International Seminar on "Environmental, Sustainable Development and Human Health". Banaras, Hindu University, India.**
- Jan.26 1995** Presented a paper on; " The emerging effects of industrialization on health and environment in developing countries to the MPH students and members of the department, **University of Nairobi in students' regular seminar sessions.**
- Nov.28- Dec.1 1994** Attended and participated at the **joint WHO/UNEP/ Regional Workshop on drinking water quality, Nairobi, Kenya.**
- Nov.23- 25 1994** Attended and participated in a Regional training workshop on waste management organized by the United Nations Center for Human Settlements (Habitat), **Nairobi, Kenya.**
- May 26- 27 1994** Attended and participated in the convention on National Health Research Plan, **WhiteSands Hotel, Mombasa, Kenya.**
- April 13- 15, 1994** Attended and participated in the FKE/ILO/UNEP Environmental Training of Trainers Seminar, **Nairobi, Kenya.**
- Oct. 25-** Attended and presented a paper on Emerging effects of industrial revolution on

- 29 1993** Health and environment in developing countries at the Tanzania Public Health Association & the East Southern and Central Africa Public Health Association, **Arusha, Tanzania.**
- 1992** Presented a paper entitled, "Kenya: An Assessment of Knowledge, Attitudes and Practices of Pesticide Handling at community level," to International Family Health Seminars at **The University of Texas, School of Public Health, USA.**
- Nov. 10-14 1991** Attended American Public Health; Association & Federation Association Annual Conference, **Atlanta, Georgia, USA.**
- Sept. 15-22 1990** Attended and presented a paper at the Pesticides Symposium in **Ottawa, Canada.**
- Feb.12-20 1990** Attended and participated in a World Workshop on Global Warming and Adoptive Response, **Perth, Australia.**
- Dec.15-20 1989** Attended and presented a paper at the International Association for Community Development Colloquium, **in Bangkok, Thailand.**
- Sept.11-15 1989** Attended and presented a paper at the Symposium on Environmental Pollution and its Impact on Eastern Africa, **Dar-es-Salaam, Tanzania.**
- Sept 1988** Attended and participated in the XIII World Conference on Health Education held at **Houston, Texas.**
- July1988** Attended and participated in a one week Regional Network-(Water and Sanitation) Workshop, held in **Mombasa, Kenya.**
- Oct. 1987** Attended and completed a Senior Scientists' course on Pollution Aspects of Environmental Health, held in **London.**
- June 1987** Attended and participated in a week workshop on Water and Sanitation, reviewed and recommended suitable teaching books for environmental health officers, undergraduate and graduate medical students, **Eldoret.**
- Jan.22 1987** Attended a Public Health Lecture entitled, "Is your Lifestyle Killing You?" (Lifestyle and Its Relationship to Health), sponsored by Aga Khan Health Services, **Nairobi, Kenya.**
- Nov. 1986** Attended one week's seminar on "Working and General Environment" organized by Kenya Federation of Employers, ILO and UNEP, **Nairobi, Kenya.**
- Aug.1985** Attended a Workshop on Water and Sanitation at the Women's Decade Conference in **Nairobi, Kenya.**

REFERENCES

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