

CURRICULUM VITAE

Peter Karanja Kamau
Department of Medical Laboratory Sciences
P.O. Box 62000 (00200) Nairobi, Kenya

Career Objectives : To be a Microbiologist involved in academic, research and professional activities with the aim of contributing positively to the growth of Microbiology field and in particular to Medical Laboratory Sciences.

Personal Statement : I am a team leader , result oriented, and relates well with other people. I will always strive to achieve the best results within the shortest time possible as well as promote the integrity of Medical Laboratory profession.

Date of Birth	March 23 rd , 1962, Nyeri District ,Kenya
Citizen	Kenyan
Sex	Male
Marital Status	Married
Present Post	Principal Technologist
Qualifications	MSc.(Infectious disease diagnosis) , HND in Medical Laboratory Sciences and Diploma Medical Laboratory Technology
Languages	English , Kiswahili and Kikuyu (speaking ,reading and writing)
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Educational background

Institution	Period	Qualification
Jomo Kenyatta University of Agriculture and Technology	11 th May 2009 to date	Ph.D. Medical Microbiology at ITROMID – on going
Kenyatta University	2002-2004	MSc. (Infectious disease diagnosis)
Kenya Polytechnic University College	1993-1994	HND (Medical Microbiology and Immunology)
Kenya Polytechnic University college	1988-1990	Diploma in Medical Laboratory Technology
Chinga Boys High School	1984-1985	K.A.C.E
Chinga Boys High	1980-1983	K.C.E
Mumbuini Primary School	1972-1979	C.P.E

Thesis Title

MSc. – Assessment of Bacteriological and Physico-chemical qualities of stand-pipe drinking water stored in Huruma Food Kiosks of Nairobi , Kenya.

Employment and Professional experience

-Students' Practicals and Research

2003- 2004-Taught Medical laboratory Diploma students at Nairobi technical institute on part-time basis.

-Taught Pharmacy Diploma students at Thika Technical institute.

2006 to Date

Appointed Medical Chief Technologist , Department of Medical Laboratory Sciences, Jomo Kenyatta University of Agriculture and Technology

- Assists Chairman of department in a day to day running of department
- Heads and guides all technical staff of the department
- Assists our BSc Medical Laboratory students in registrations by KMLLTB and practical attachments in various hospitals in the country
- In-charge of department inventory
- Assistant to the Chief supervisor during KMLTTB registration examinations conducted in the department
- Running of students practicals
- Facilitating procurements of teaching materials at least two weeks before commencement of the semester
- Handling matters of students from other institutions seeking attachments in the department
- Assists academic members of staff with ongoing research in the department
- Assists our undergraduate students in their projects work conducted in the department
- Involved in our BSc. MLS students' assessments during the course of their attachments

1996-2006

Senior Technologist in-charge of Pharmacology and Toxicology department , University of Nairobi

- Analysis of Pesticide residues (Organochlorines and Organophosphates) in both plant and animal tissues using GLC and TLC techniques.
- Determination of Aflatoxins qualitatively in animal feeds using TLC
- Analysis of serum electrolytes especially lithium, sodium and potassium in diagnostic Toxicology using flame emission spectroscopy
- Determination of fluoride levels in drinking water from various sources.
- Scientific validation of medicinal and toxic plants
- Training of students on laboratory attachments from National Polytechnics and other Technical institutions
- Preparation and participation in Pharmacology and Toxicology practicals for Biomedical Laboratory Technology under graduates and Pharmacology postgraduate students
- Participation in research on income generation projects
- Acute toxicity (LD₅₀) testing of compounds by use of laboratory animals
- Procurement of laboratory materials for teaching and research

1989-1990- Attached in Aga Khan Hospital (Nairobi) for practicals and satisfied the Laboratory Manager in all the sections; Bacteriology ,Blood transfusion , Haematology ,Serology, Histology and Biochemistry

1990-1996 – Laboratory Technologist Dept. of Public Health, Pharmacology and toxicology
-Supervision of junior laboratory staff
-Diagnostic Microbiology
-Quality control in drinking water
-Preparation of practicals for both undergraduate and postgraduate students
-Participation in undergoing research in the department

2008 to Date- Examiner for Kenya Medical Laboratory Technician and Technologist Board (KMLTTB) registration exams

– A member of the field survey team affiliated to East African Lake Basin Project, in which my role was to obtain consent from University Students to Collect Dry Blood Spots(DBS).

-A member of JKuat Laboratory and Enviromental Management Board

1999-2002 -Appointed by Vice Chancellor University of Nairobi (UON) at various dates to act as Chief Technologist in the department of Public Health

29/7/2002-30/8/2002-Appointed to be in-charge of cleanliness and management of petty cash of dept.of Public Health , UON

15/8/2001-21/9/2001-Appointed by Vice Chancellor, UON to act Principal Technologist Dept. of Public Health

10/2/99 to 2006 – In-charge of Public Health Dept. library of UON

2/9/98 to 2006 –Senior Technologist in-charge of Pharmacology and Toxicology laboratory ,UON

1984-1985 –Chairman, Catholic association of Chinga Boys High School

1983-1985 –Chairman ,Gichice Catholic youth

1975-1979 –Class prefect, Mumbuini Primary School ,Nyeri

Research Publications and Journals

-Kamau,P.K., Muli,F.M., Gathura, P.B and Ngeranwa, J.J.N.,(2007). Assessment of Bacteriological and Physico-chemical qualities of stand-pipe drinking water stored in Huruma Food Kiosks of Nairobi- Kenya.

-Kamau, P.K.(1994). Microbiological Assessment of Drinking water from Boreholes and storage Tanks in Kinoo location, Kiambu District , Kenya

-Gathura,P.B and Kamau,P.K.(1993).Microbiological quality of stored rain water from areas around Nairobi , Kenya

Acknowledgements– Epidemiology and Economics of Mastitis in dairy sector of Kiambu District , Kenya
-Pharmacokinetics of Phenytoin , Fosphenytoin and Chloramphenicol in Rabbit and Rat.

Seminars and Conference Proceedings

23rd-24th September 2009- Seminar on Alternatives to use of Animals in Experiments in Education and Training , Nairobi- Kenya.

Kamau P.K., Muli F.W., Ngeranwa J.N. and Gathura P.B. Assessment of Bacteriological and Physico-Chemical Qualities of Stand-Pipe Drinking water stored in Huruma Food Kiosks of Nairobi ,Kenya. Proceedings of the Faculty of Veterinary Medicine 5th Biennial Scientific conference and exhibition, 2006

Computer Literacy

I have competency in the diverse computer softwares which includes; Word , Powerpoint, Excel, SPSS and Adobe Acrobat

Professional Affiliation

- **Kenya Medical Laboratory Technician and Technologist Board (KMLTTB)-**
Registered to Practice ; Reg No.A0541

Hobbies

Listening to Christian music , reading , watching wildlife , travelling and participating in Scientific conferences Email

Referees

- 1) Professor Z.Ng'ang'a
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