

CURRICULUM VITAE

DR. JOSEPH K. GIKUNJU, Ph.D

Nationality: Kenyan

Institutional Affiliation and Address:

Jomo Kenyatta University of Agriculture and Technology, Institute of Tropical Medicine and Infectious Diseases (ITROMID), Department of Medical Laboratory Science, P. o. Box , 62000, - 00200 Nairobi Kenya.

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Educational Qualifications:

1984 - 1988: University of Nairobi, Bachelor of Veterinary Medicine (B. V. M),.

1989 - 1992: University of Nairobi, MSc. Pharmacology and Toxicology. Thesis title: "Fluoride in water and fish from the Great Rift Valley Lakes in Kenya" , Department of Public Health, Pharmacology and Toxicology, University of Nairobi, 1990."'. Thesis research project was supported by Norwegian Agency for Development (NORAD KEN 046) project, Kenya.

1998 - 2002: University of Nairobi, , Ph.D, Pharmacology and Toxicology. Thesis title "STUDIES OF FLUORIDE DIETARY SOURCES, EFFECTS ON MILK PRODUCTION, EXCRETION IN DAIRY CATTLE AND CHRONIC TOXICITY IN RAT", Thesis

research was supported by Deans committee, University of Nairobi, German Agency for Development,(DAAD) and University of Nairobi/ University of Guelph, Epidemiology project.

Papers Published in Peer-reviewed Journals:

- Gikunju J.K., Maitho T.E., Birkeland J.M. and Lokken P (1992), Fluoride levels in water and fish from Lake Magadi, Kenya. **Hydrobiologia 234:123-127.**
- Gikunju J.K., Maitho T.E., Birkeland J.M. and Lokken P (1992), Fluoride in fish from Lakes of the Great Rift Valley, Kenya. **Ecology of Food and Nutrition 27: 85-90.**
- Gikunju J.K. 1992. Fluoride concentration in Tilapia fish (*Oreochromis leucostictus*) from Lake Naivasha, Kenya. **Fluoride 25:1, 37-43.**
- Gikunju J.K., Githui K. and Maitho T.E., 1992, Fluoride levels in bore-hole water around Nairobi. **Fluoride 25: 3, 111-114.**
- Mwaniki D.L. and Gikunju J.K., 1995, Fluoride concentration in tissues of fish from low fluoride fresh water Lakes in Kenya, **Discovery and Innovation vol. 7 (2) pp 173 - 176.**
- Gikunju J.K., Githui K., Maitho T.E 1992. Borehole water in Nairobi: safe or risky. **The Kenya Veterinarian Vol. 16, pp 16-18.**
- Gikunju J.K., Mbaria J.M., Maitho T.E., Kyule M. 1995. Water fluoride in the Molo division of Nakuru district, Kenya. **Fluoride volume 28 (2) 17-20**
- Gikunju J.K., Maitho T.E., Mitema S.E. and Mugeru G.M. 1998, Fluoride concentration in Black bass (*Micropterus salmoides*) from Lake Naivasha, Kenya. **International journal of BioChemiPhysics, Vol. 6 and 7, Nos. 1 and 2, pp 90 -92**
- Ombui, J. N. and Gikunju J.K. 1999, Human Schistosomiasis: A review. A journal for Medical and Health Workers, AFYA, **African Medical and Research foundation (AMREF) Vol. 31, No. 3, pp 5-9**
- Gikunju J.K. 1999, Kenya and the perils of fluoride. A journal for Medical and Health Workers, AFYA, **African Medical and Research foundation (AMREF) Vol. 31, No.3, pp 15-18**
- Gikunju Jk, Kinya C, Gachanja Dn and Muriuki DG, 2004, Antimicrobial activity of NEEM tree extracts**
- Kepher O. and Gikunju Jk 2009 Schistosomiasis in selected primary schools from Coast province , Kenya.

Mwanza P.M, Yeri Kombe , S.M Bhatt , Joseph Gikunju (2009) PRESCRIBING PATTERNS AND DRUG COST IMPLICATIONS FOR DIABETIC PATIENTS IN EASTERN PROVINCE, KENYA

Kimotho J. H. , Muchiri S., Gikunju J., Khamadi S.A., Wamachi A.(2009) ELISA Kit for Detection of Hepatitis B Surface Antigen in Plasma and Serum Based on Polyclonal Antibodies Produced by KEMRI, Kenya, EAMJ

Previous and Current Posts in Research and Academics:

1988 : Veterinary officer, Ministry of Livestock Development, Kisii, District.

1989 - 1990: Fluoride Research: graduate Assistant Research Officer, PHPT, University of Nairobi.

1990 - 1991: Assistant Lecturer in PHPT, University of Nairobi.

1991 – 2004 : Lecturer, in PHPT, University of Nairobi.

2004 – 2006: Senior Lecturer, PHPT, University of Nairobi.

1998 – 2006 Part-time lecturers, Department of Zoology, Faculty of Science, JKUAT; Teaching Pharmacology, pharmacognosy and clinical Pharmacology.

1998 - 2004: Pharmacologist supervising Pharmacy and Pharmacology lectures, practicals and Research projects for Diploma students in Kabete Technical training Institute (KTTI), Nairobi Technical Training Institute (NTTI) and Thika Institute of Technology, (TIT),(Now Mount Kenya University).

I lecture to undergraduate Pharmacology, Toxicology , scientific communication, ecotoxicology, computer applications and informatics.

I have assisted several postgraduate students in their research programmes;Dr.Kaba (Msc.), Dr. Khalid Mohamed (Msc.) Dr. Mwaniki (Ph.D.), and Dr. Simuyu (Msc.) Mr.Mathenge (H.N.D). Dr. Kivai (Msc. Pharmacology), Dr. Menge (Msc. Pharm.and Tox) Dr. Nguta (Msc. Pharm. And Tox.) Dr. Wesongah (PhD. Pharmacology).

2007 : Senior Lecturer, Department of Medical Laboratory Science, Jomo Kenyatta University of Agriculture and Technology, Institute of Tropical Medicine and Infectious Disases (ITROMID), Teaching undergraduate and post graduate courses.

Currently I have 3 PhD. Students and 5 masters students for supervision and at various stages of research projects and thesis.

2010. Principal research coordinator, Venomology project, JKUAT, Kenya.

Responsibilities Held at University Level:

Acted as. Chairman, Faculty of Veterinary Medicine timetabling committee, 2006, University of Nairobi.

Honorable , Treasurer, Department of Public Health, Pharmacology and Toxicology, Departmental consultancy unit, 2000- 2003.

Member of several curriculum development and review committees in the Faculty of Veterinary medicine, University of Nairobi.

Examinations Officer, Department of Medical Laboratory Science, Jomo Kenyatta University of Agriculture and Technology, Institute of Tropical Medicine and Infectious Disases (ITROMID) University.

Chairman, Postgraduates and curriculum review departmental committee, 2009.

Assisted in the development and revision of undergraduate and postgraduate curricula, University of Nairobi and Jomo Kenyatta University of Agriculture and Technology.

External Examiner:

Appointed External Examiner in the Department of Public Health Pharmacology and Toxicology, Faculty of Vet Medicine University of Nairobi. 2007 for M.Sc.Thesis.

Research Grants Received:

YEAR	MONEY SOURCE ATTRACTED
1988 -1990	NORAD sponsorship for Master of Science course.
1993	CIDA sponsorship for part Ph.D. field work through Nairobi-Guelph Epidemiology project
1994	DAAD in-country scholarship for laboratory research.
1997	Deans' Committee grant for research.(Ph.D)
2002	Deans' Committee grant for research.(Ph.D)
2009	RPE, JKUAT research grant

Research Collaborations:

Prof. Per Lokken, Department of Pharmacology, University of Oslo, P.O Box 1057 Blindern N-0316 Oslo 3, Norway.

Prof. S.E Mitema, Department of Public Health, Pharmacology and Toxicology Faculty of Veterinary Medicine, University of Nairobi, P.O Box 29053 Nairobi, Kenya.

Prof. P.K. Gathumbi, Department of Microbiology, Parasitology and Pathology Faculty of Veterinary medicine. University of Nairobi, P.O Box 29053 Nairobi, Kenya.

Prof. Jan M. Birkeland, Faculty of Dentistry, University of Bergen, Norway.

Prof. Timothy Elias Maitho, Department of Public Health, Pharmacology and Toxicology Faculty of Veterinary Medicine, university of Nairobi, P.O Box 29053 Nairobi, Kenya.

- Dr. Daniel L. Mwaniki, Kenya Medical Research Institute, Medical Research Centre, P.O Box 20752 Nairobi, Kenya.
- Dr. James M. Mbaria, Department of Public Health, Pharmacology and Toxicology Faculty of Veterinary Medicine, University of Nairobi, P.O Box 29053 Nairobi, Kenya.
- Dr. Githui Kaba, Department of Public Health, Pharmacology and Toxicology Faculty of Veterinary Medicine, university of Nairobi, P.O Box 29053 Nairobi, Kenya.
- Dr. P.B. Gathura, Department of Public Health, Pharmacology and Toxicology Faculty of Veterinary Medicine, University of Nairobi, P.O Box 29053 Nairobi, Kenya.
- Dr. M.N. Kyule, Department of Public Health, Pharmacology and Toxicology Faculty of Veterinary Medicine, University of Nairobi, P.O Box 29053 Nairobi, Kenya.
- Dr. Latitia. W. Kanja Department of Public Health, Pharmacology and Toxicology Faculty of Veterinary Medicine, University of Nairobi, P.O Box 29053 Nairobi, Kenya
- Dr. P. Malonza, National Museums of Kenya, Museum Hill road, P. O Box 40650 – 00100 GPO, Kenya.

REFEREES

1. Prof. Z Nganga, Director, ITROMID, JKUAT, P.O Box 62000-00200 Nairobi, Kenya.
2. Prof. P.K. Gathumbi, Department of Microbiology, Parasitology and Pathology Faculty of Veterinary medicine. University of Nairobi, P.O Box 29053 Nairobi, Kenya.
3. Prof. Timothy Elias Maitho, Department of Public Health, Pharmacology and Toxicology Faculty of Veterinary Medicine, university of Nairobi, P.O Box 29053 Nairobi, Kenya.