

CARRICULUM VITAE

PERSONAL PARTICULARS

Name and Address	SIMON PETER MURIUKI Tel: Mobile 0721293127; 0734222233
Date of birth	1952
Highest qualification	M. Sc (To graduate in June 2015 with PhD in Ethnobotany.
Current Position:	Assistant Lecturer
Previous positions	Research Officer, Kenya Trypanosomiasis Research Institute Primary School teacher

Email: muriukispeter@yahoo.com, muriuki.simon@ku.ac.ke

Academic qualifications and experiences

I am a holder of B. Sc. (Zoology) with an option in Parasitology from University of Nairobi (1977). I did a 3:1:1 course: Chemistry, Botany and Zoology during 1st year; covered the 2nd and 3^r Zoology units during my 2nd year and then covered the M. Sc. Zoology taught courses during the 3rd year. I also undertook an undergraduate research project in Parasitology during the 3rd year followed by an M. Sc. in Applied immunology (1981) at Brunel University, UK. I also undertook one year training on recombinant DNA technologies at Brunel (1992). I am currently pursuing a Ph. D at KU in Ethnobotany and hope to graduate in December 2015.

Work related Experiences.

I was first employed as an entomologist by the Ministry of Agriculture upon graduation. My duties were to breed maize resistant to the stem borer. This gave me an insight into agronomy and screening of plant pesticides. I later joined (Kenya Trypanosomiasis Research Institute (KETRI), (1978) to carry out research under the supervision of senior researchers. My duties included screening existing drugs and new compounds to develop newer treatment regimes for the treatment of sleeping sickness and related infections. I was also funded by the World Bank/World Health organization to determine why immune deficient mice and non-human primates suffered from post treatment failure. This gave me insight on isolation and culturing of lymphocytes, the role of growth factors in relation to treatment failure as well as deeper insight on recombinant DNA technology. I underwent extensive training on clinical diagnosis using the-primates. I was able to show that mice rendered immune deficient suffered from treatment failure. I however needed deeper insight into the biochemical pathways. I thus purposely left KETRI for KU to further on Biochemistry by having taught virtually all under graduate courses in Biochemistry as well as post graduates. I have supervised several undergraduate students leading to their dissertation. I have gained mastery, as a lecturer, into medical biochemistry, medical biotechnology, cellular and molecular biology, molecular pharmacology,

toxicology, nutritional biochemistry, microbiology (virology, mycology, bacteriology, and parasitology), applied microbial biochemistry (fermentation technologies) and several biochemical techniques while at KU. My many years of experience into research - drug development, recombinant DNA technologies combined with extensive teaching on medically related and applied biochemistry and lately ethno botany enabled achieve a cure for all respiratory ailments, dysmenorrhoeal, arthritis besides other modern lifestyle diseases (MLDs).

Other professional related experiences

I collaborate with herbalists and now in the process of joining Nairobi Traditional Herbalists and Practitioners Association. I am also a dairy and horticulture farmer. This has enabled understand the linkage between MLDs and food additives (antibiotics, growth hormones) and contaminant Aflatoxins in the dairy meal. The additives and contaminants cause the elimination of gut micro flora and their replacement with pathogenic ones. Inorganic fertilizers, pesticides (DDT, dimethoate) and herbicides (thalidomide) interferes with soil micro flora, e.g. fertilizers lower the soil pH thereby altering the composition soil micro biota leading to bioaccumulation of toxins into the food chain. The EU banned import of French beans from Kenya due to above reasons. My understanding on the phytochemicals with antiviral, bacterial, fungal and parasitic activity enabled me collaborate with herbalists in the development of biocides for plant and animal diseases

I have been a member of Global Leadership Interlink (GLI) since its inception here in Kenya. I supervised GLI campus students from various universities in Kenya in preparing a tooth paste during a GLI sponsored Science Congress held in 2009 at the National Museums. I had also designed an inexpensive vacuum pump able to pump water for irrigation and generate electricity without use of fossil fuels. I am a member of the GLI core team that manages the affairs of GLI Chapter here in KU. I also have been a member of the KU Mentoring Program since 2006. I also joined the Board for the Mentoring Program since August 2013. This enabled introduce the KU GLI core team to Director-mentoring thus leading the signing of the Memorandum of Understanding between KU and GLI. I was also a member of the KU linkage Board previously under Professor Kotut. I managed to initiate the signing of a Memorandum of Understanding between KU and KARI. I also initiated linkages between SPAS and the Pharmaceutical Lab and Allied and Cosmos to enable our students get attachments.

My future plans

My future plans are to use my Ph D data and experience on making of tooth paste to produce an herbal tooth paste and a mouth wash that takes care of all dental ailments. I am ready to bring on the National Traditional Healers and Practitioners Association (NATHEPA) to KU to enable taps their wealth of experiences while KU may train them and certify their herbal formulations. I will contribute towards achieving the goals contained in the MOU between KU and GLI. I will continue to get involved in the management of MLDs through restorative food supplements-Clinical Nutrition. I will play a key role on the production of safer foods and dairy



products devoid of side effects. I will share with KU the articles I am currently writing for GLI on the issues on food production, storage, and processing to enable manage MLDs.

Achievements and recognitions:

1. *2008-2014 Lake Victoria Research Initiative (VICRES) Grant on Ethno botany.*
2. *1994- 1997 WHO Training Grant on use of recombinant DNA technologies on the role of immune system and drug safety or failure using the Primate monkey model.*
3. *1992-1993 World Health Organization award for Training on Molecular techniques at Department of Biochemistry and Biological Sciences, Brunel, the University of Western London*
4. *1979 — 1981: British Council Technical Training Development Award for training for the Master of Science degree in the Department of Biochemistry and Biological Sciences, Brunel, the University of Western London.*
5. *1974 — 1977: Government of Kenya Scholarship for undergraduate training at the University of Nairobi, Kenya*