

Dasel Wambua Mulwa Kaindi

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PERSONAL DETAILS

Date of birth: November 1980
Gender: Male
Marital status: Married
Nationality: Kenyan
Languages: English, Kiswahili

CAREER OBJECTIVES

Transfer of knowledge and mentorship of students, development and research projects addressing food and human nutrition/health issues and finding their solutions

EDUCATION BACKGROUND

2011- 2014 – Pursuing PhD in Applied Human Nutrition, Fully Registered at University of Nairobi, with DAAD in-country Scholarship, UoN Dean Committee Grant and ETHz UBS research Grant.

Title of PhD Research; *Food consumption patterns and molecular characterization of Streptococcus bovis/ Streptococcus equinus complex from persons with/ without colorectal cancer in Kenya*

2006-2008 Masters of Science (MSc.) Applied Human Nutrition, University of Nairobi.
Overall grade: Distinction (A)

2001-2005 Bachelor of Science (BSc) Food science and Technology, University of Nairobi.
Credentials: **First Class Honors**

1996-1999 Kenya Certificate of Secondary Education **Mean grade B+**
Tala Boys High School

1988-1995 Kenya Certificate of primary Education **505 marks**
Muthini Primary School, Machakos

WORK EXPERIENCE

2012 – Current: **Statistician** for External evaluation team - Community-Based Maternal and Newborn Program (CBMNH); Donor – Canadian Corporation. (Project in the department of Food Science, Nutrition and Technology) - Ongoing

2011 – Current: **Research fellow** for Transform Nutrition Research Programme Consortium; Theme: *Targeting the neglected crisis of undernutrition*. Donor – DFID (Project in the department of Food Science, Nutrition and Technology) - Ongoing

- 2010- Current:** **Graduate assistant** at the Department of Food Science, Nutrition and Technology; Faculty of Agriculture, University of Nairobi. Courses I lecture include:
1. Introduction to Human Nutrition
 2. Human Nutrient Requirements
 3. General Microbiology
 4. Food Microbiology and Parasitology
 5. Principles of Nutritional Problem Diagnosis
 6. Assessment of Nutritional status of individuals/ communities

March 2006 to September 2006 Management trainee and foreman

Company: Mini Bakeries Ltd.

Responsibilities:

- i. Supervising processing and packaging of bread ensuring consistent production of high quality products.
- ii. Receiving and keeping records of stocks in: e.g. baking flour and ingredients, and packaging materials.
- iii. Routine stock of materials in the bakery- bread, crates, packaging materials, flour etc.
- iv. Receiving and paying the casual labourers on daily basis.
- v. Supervise the cleanliness of the factory and issues of safety.

August – September 2004: Industrial attachment: Processing line operator and quality Control trainee. Name of company: Menengai Oil Refinery Ltd. P.O.BOX 2918 Nakuru, KENYA

Original Research Publications and Posters

1. Prevalence and comparison of *Streptococcus infantarius subsp. infantarius* and other members of the *Streptococcus bovis/Streptococcus equinus* complex in dairy products of Kenya, Somalia, Mali and Côte d'Ivoire (Submitted-International Journal of Food Microbiology 2013)
2. Effect of feeding and care practices in the occurrence of rickets among under fives in Kiambu District, Kenya (Journal of paediatrics and child health) – Submitted to Journal of Paediatrics and Child Health 2013
3. Risk factors in symptoms of food poisoning among children and young adults in Isiolo, Kenya (Journal of Zoonoses and Public Health, (2012).
4. Towards small and medium entrepreneurs micronutrient capacity development in knowledge and product formulation in Kenya, (5th African Nutrition Epidemiology Conference (ANEC) Poster 2012)
5. Microbiological quality of raw camel milk along the market chain in Kenya (Global Science Books, 2011).

Research Publications I have been acknowledged

1. Novel *Streptococcus infantarius subsp. infantarius* variants harboring lactose metabolism genes homologous to *Streptococcus thermophilus*. *Food Microbiology* 31, 33–42, 2012.
2. Lactic acid bacteria diversity of African raw and fermented camel milk products reveals a highly competitive, potentially health-threatening predominant microflora. *LWT-Food Science and Technology* 47, 371–379, 2012.
3. Characterization of yeast associated with camel milk using phenotypic and molecular identification techniques. *Research Journal of Microbiology* 6 (9), 678-692, 2011.

Other Research work

1. External evaluation of Community-based Maternal and Newborne Health programme in Kenya (currently ongoing and baseline study completed)
2. Maternal/ Child Nutrition and Health Status and Community Knowledge and Perception on Food Safety in Kibwezi District, Makueni County; from 7th to 11th May 2012
3. *Streptococcus bovis* *Streptococcus equinus* complex as the potential human pathogen in partnership with the Swiss Federal institute of Technology, ETH, Zurich (ongoing Research project- 2010).
4. Contribution of School Lunch to Dietary Diversity and Adequacy of Nutrients Among Primary School Children in Bamburi, Kisauni, Kenya (Completed thesis, 2011).
5. I co-authored a literature review paper entitled “Is protein deficiency a problem in Africa” for the Africa Harvest Biotechnology Foundation International. It is yet to be published (2009).
6. My Master thesis was titled “Microbiological Quality of Camel Milk along the Market Chain and its Correlation with Food-borne Illness Among Children and Young Adults in Isiolo, Kenya”. The main purpose was to enhance improvement of camel milk hygiene and safety to enhance the livelihoods and wellbeing of the camel nomadic pastoralists through enhanced income generation from selling of high quality, safe and with longer shelf life camel milk or products.
7. Community problem diagnosis project titled “Household Food Security and Nutritional Status of Children (6-59 months) in Kiganjo Village, Thika District, Kenya” (2007).
8. Bachelor’s final year Industrial project at University of Nairobi entitled “Evaluation of Alcoholic Fermentability of Ripe Banana Pulp in Manufacture of Banana Wine. In this project I was able to develop winery technologies for ripe bananas which are otherwise non-fermentative. With application it would create livelihoods and also diversifies the products from bananas (2005).

Workshops/ conferences

1. Actively participates in Nutrition Technical Forum, Various Nutrition Working Groups and Nutrition Coordinating Committee meetings held the Division of Nutrition, Ministry of Health
2. Was a facilitator and trainer of trainers for INSTAPA project, Small and Medium Enterprises, Training of Trainers workshop, on Processing of composite flours and other complementary foods for infants and children; Venue Maseno Agricultural Training Centre, Date:2 Oct – 15 October 2011.
3. Food safety and food security linkage: a focus on livestock products. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010 (Oral presentation by Prof. M.W Okoth)
4. Presented poster Titled; “Microbiological quality of milk along the market chain and the effect of storage containers” in the International camel conference held in Garissa, Kenya June 2010.
5. Participated in the export marketing seminar organized by the Export Promotion Council of Kenya in collaboration with Japan International Cooperation Agency in May 2009.
6. The 6th biennial scientific conference and exhibition, University of Nairobi. I presented two scientific articles.
7. ADB camel feedback workshop (KARI, ILRI, ALLPRO) - 2008.
8. Informal meetings camel project involving various stakeholders in camel research (ILRI) 2008.

Computer skills and competences

Good command of word processors, Microsoft Excel, Microsoft Access, and statistical packages (**Stata, SPSS, GENSTAT, EPI-info**) through extensive use of computers and training. Recently I was editing and updating our department website content.

Driving license: Holder of a Kenyan BCE driving license from 2002

Social skills and competences

1. Member of committee developing a Faculty of Agriculture – international peer reviewed Journal, University of Nairobi, – task completed (Jan 2012 - April 2012).
Name of journal: Journal of Agricultural Science and Technology
2. Nominated as the WEB Champion of the department of Food Science, Nutrition and Technology, University of Nairobi (From 2011 to April 2013)
3. Team leader during the community needs assessment project based in Thika District entitled “Household Food Security and Nutritional Status of Children (6-59 months) in Kiganjo Village, Thika District, Kenya” the project was very rewarding and successful (2007).
4. As the chairman of AFOSTECHs I was involved in various organizational activities (2005): - I attended several college committee meetings for planning and implementing of various projects in the college, such as the College Fun Day, Annual Tree Planting in the college.
5. I have held various leadership positions during my High School and University education.

High school days

- Deputy School Captain, 1999 after being a school prefect from form 1 to form 4,
- The student chief editor for the school “Zua” magazine, 1999.
- The chairman of Wildlife Student Association, 1999.

University of Nairobi days as a student

- Class representative for MSc. Human Nutrition Program (2006-2008).
 - Class representative faculty of Agriculture 1st and 2nd year (2001-2003),
 - The chairman of the Association of Food Science and Technology students (AFOSTECHs)- 2005: Chairman of Department was Prof. M.W. Okoth
6. Initiated tree and flower planting project, and mobilized students during implementation of a school water project in my former High School (Tala Boys) which is located in the Semi-Arid areas of Eastern Province, Kenya (1999).
 7. I have been a member of African Inland Church Battalion Youth Group since my teenage years- The main objective of this group is to raise God fearing men ready to serve both the community and God. Since teenage years.

HOBBIES

Reading, Jogging, Swimming, Walking long distances,

REFEREES

1. Prof. Wambui Kogi-Makau

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3. Prof. M. W. Okoth

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