

CURRICULUM VITAE

PERSONAL DETAILS

NAME : Elizabeth Namaemba Wafula
NATIONALITY : Kenyan
RELIGION : Christian
LANGUAGES : English, Kiswahili (Read, write, speak)
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CAREER OBJECTIVE

To work in a dynamic environment that will provide an opportunity to practice the so far acquired knowledge and skills in the science platform which contributes to organizations mission, vision and objectives and at the same time provide a chance for career development.

PERSONAL ATTRIBUTES

- Honest, straightforward and committed.
- Strong organizational and communication skills.
- Good interpersonal and leadership skills.

EXPERTISE AND CAREER HIGHLIGHTS

INTERNATIONAL POTATO CENTRE (CIP)

February 2017 – July 2018

Position Held: Research Associate (Food and Nutrition analysis)

Responsibilities:

- Laboratory analysis of food samples in Food and Nutrition Evaluation Laboratory (FANEL) who are based at Biosciences for Eastern and Central Africa (BeCA) hosted by International Livestock Research Institute (ILRI).
- Managing inventory and laboratory supplies: Compiling lists of laboratory reagents including quotation on their price.
- Successfully develop, test, and implement protocols for sampling and analysing foods and food products in FANEL.
- Involved in analysis of food samples for proximate composition (moisture content, crude fibre, crude fat, crude protein, and crude ash).
- Sample preparation and storage of Orange Fleshed Sweet Potato (OFSP) roots and other processed products from local and international partners.
- Assisting interns and students on analytical work, operation and maintenance of analytical machines.
- Analysing carotenoids in OFSP roots, bio fortified banana samples; proteins, Individual sugars, glycoalkaloids, and Vitamin C in transgenic potatoes.
- Operation, calibration and maintenance of analytical instruments (UV-Vis spectrophotometer, High Performance Liquid Chromatography, HPLC; Moisture content analyser, Hydrolysis unit, Solvent extraction unit, Rotary Evaporator, distillation unit).
- Ensuring compliance and Good Laboratory Practices by Lab users.
- Data analysis, preparation of technical reports and scientific manuscripts for publication
- Participation in forums, workshops, seminars and conferences on improving nutrition and food safety in Africa.

MACNAUGHTON LIMITED

AUGUST 2015 – APRIL 2016

Position Held: Sales Representative

Responsibilities:

- Market Epimax range of products in pharmacies around Nairobi (CBD, Eastlands) and detailing the pharmacists about the product.
- Carry out epimax promotional activities in high end chemists

- Organizing continuous medical education (CME's) meetings for various customers and taking down minutes.
- Writing down weekly and monthly sales reports.

JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY (JKUAT)
MARCH 2013-2015

Position Held: Research Technician

Responsibilities:

- Carrying out food and nutritional analysis.
- Compiling obtained information and carrying out data analysis.

DIGITAL OPPORTUNITY TRUST (DOT)
MARCH-JUNE 2012

Position Held: Training facilitator

Responsibilities:

- ICT Skills development
- Equip communities with technology and entrepreneurship skills to achieve educational, social and economic opportunities which helps eradicate poverty, vulnerability and gender inequality.
- Training participants on entrepreneurship, ICT and Life skills.

SKILLS AND KNOWLEDGE ACQUIRED

- Maintenance of high moral and professional ethics in rendering service to the organizations.
- Excellent analytical and presentation skills coupled with outstanding reporting skills within strict deadlines.
- Demonstration of a high degree of sensitivity, confidentiality and integrity when dealing with internal and external customers of the organizations.

EDUCATIONAL/PROFESSIONAL TRAINING BACKGROUND

- 2012-2016: Jomo Kenyatta University of Agriculture and Technology (JKUAT)
 Masters of Science in Food Science and Nutrition (Msc.)
 Thesis: Influence of storage conditions on the development of hard-to-cook defect and the nutritional quality of selected common beans (*Phaseolus vulgaris L.*) grown in Kenya
- 2007- 2011: University of Nairobi
 Bachelor of Science in Microbiology and Biotechnology
 First Class Honors
- April 2007: Institute of Advanced Technology.
 International Computer Driving Licence (ICDL)
- Microsoft windows
 - Microsoft word
 - Information and communication
 - Microsoft PowerPoint
 - Microsoft excel
 - Microsoft access
- 2003-2006: Kangundo Girls High School
 Kenya Certificate of Secondary Education
 Mean Grade B minus (B-)
- 2000-2002: Kibabii Girls Boarding Primary School
 Kenya Certificate of Primary Education
 329 Marks

CONTINUOUS PROFESSIONAL DEVELOPMENT

Conferences and Workshops Attended:

- June 2018:** Attended the Nutrition Technical Forum held at the Ministry of Health (MoH), within the Community Health building, KMTC.
- May 2018:** Attended the National Potato Conference and Trade fair 2018 ‘The big four agenda: Enhancing potato Agribusinesses for improved food and nutrition security’ held at Kenya Agricultural and Livestock Research Organization (KALRO) Headquarters.
- Nov 2017:** Attended food composition tables steering committee meeting program held at Sarova Panafric Hotel, Nairobi
- July 2017:** Attended Facility safety and safety considerations when working with plants, plant pathogens, and genetically modified material held at Qaribu Inn Hotel, Nairobi.
- Nov 2014:** Attended the Food and Nutrition Security project stakeholders’ workshop at African Institute for Capacity Development (AICAD), Juja
- June 2014:** Attended a Food Additive and Food Safety Workshop held at the Intercontinental Hotel, Nairobi.
- Nov 2013:** Attended the 8th JKUAT Scientific, Technological and Industrialization conference & exhibition under the theme “Science, Technology, Innovation & Entrepreneurship for Sustainable Development” held at African Institute for Capacity Development (AICAD), Juja.
- Oct 2013:** Attended the Food and Nutrition Security project stakeholders’ workshop at African Institute for Capacity Development (AICAD), Juja.
- May 2011:** Attended Youth Agency for Development of Science, Technology and innovation (YADSTI) 7th annual science conference and exhibition under the theme “Water, an invaluable resource” held at National Museums of Kenya.
- April 2010:** Attended Youth Agency for Development of Science, Technology and innovation (YADSTI) 6th annual science conference and exhibition under the theme “Effects of climate change in Africa and environmental conservation for sustainable development in Kenya” held at UNEP complex Gigiri and participated in a massive tree planting exercise at Kiptunga area in the Eastern part of Mau Forest Complex.
- Mar 2010:** I was a member of Kenya Models United Nations. I was a delegate at the 9th Annual Kenya Model United Nations Conference held at the United Nations Headquarters.

COMMUNITY SERVICE

- April 2010:** Participated in a massive tree planting exercise at Kiptunga area in the Eastern part of Mau Forest Complex.
- Nov 2009:** Being a member of Biological Association of Nairobi University students (BANUS), participated in annual tree planting activity held at the University of Nairobi, Chiromo campus.

PUBLICATIONS

- Wafula E.N., Kamau V.W., Makokha A.N., Njoroge D.M., Kinyanjui P.K., Sila D. N Department of Food Science and Technology, Faculty of Agriculture. Jomo Kenyatta University of Agriculture and Technology “Influence of storage conditions on the development of hard to cook defect in common beans and the subsequent nutritional changes”
<http://elearning.jkuat.ac.ke/journals/ojs/index.php/jscp/article/view/1097/901>

- Valentine Wacu, Elizabeth Namaemba, Anselimo Makokha, Daniel Njoroge, Peter Kinyanjui, Daniel Sila. Department of Food Science and Technology, Faculty of Agriculture. Jomo Kenyatta University of Agriculture and Technology. “Impact of Storage Conditions on the Physical Properties and Cooking Characteristics of Two Bean Varieties Grown in Kenya”
<https://iiste.org/Journals/index.php/FSQM/article/view/23118/23624>

ACHIEVEMENTS

- The best speech performer at the 9th annual Kenya Model United Nations (KMUN) conference held at the United Nations Headquarters at Gigiri. I was a delegate representing Albania.

REFEREES

1. **Dr. Tawanda Muzhingi**, Regional Food Scientist, International Potato Centre (CIP), P.O Box 25171-00603 Nairobi, Kenya. Mobile no. +254718608534, Tel: +2540204223639 Email: t.muzhingi@cgiar.org
2. **Daniel Mahuga Mbogo**, Research Associate, International Potato Centre (CIP), P.O Box 25171-00603 Nairobi, Kenya. Mobile no. +254724875428, Tel: +2540204223661 Email: d.mbogo@cgiar.org
3. **Silas Okado**, Genop Sales Manager, Macnaughton Limited. P.O Box 40875-00100 Nairobi. Cell Phone: 0724598827 Email address: silasokado@gmail.com
4. **Dr. Peter Kahenya Kinyanjui**, Lecturer, Department of Food Science and Technology- JKUAT. P.O Box 62000-00200 Nairobi. Cell Phone: 0720350903 Email address: pkahenya@gmail.com