

CURRICULUM VITAE

NAME

Onesmus Kyalo Mwaniki

CONDUCT

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**Professional
Summary**

PROFESSIONAL SUMMARY.

Analytical chemist and food safety expert professional with over 12 years of skilled experience focusing on; analysis of food chemical contaminants of human health concerns such as mycotoxin, pesticide and heavy metal; Establishment, management and evaluation of laboratory quality systems (ISO 17025, GLP), Establishment, evaluation and optimization of laboratory systems (QA, QC, method validation etc.), training on sampling and analysis, development and implementation of national pesticide residue, aflatoxin and heavy metal monitoring program, evaluation of food safety systems in production and processing. Additional experience has been gained in the areas of staff responsibility, hiring, leadership, and project management.

PROFESSIONAL HISTORY

**Professional
History**

Chief chemist/Deputy director laboratory service

In charge of Pesticide Residue Laboratory & Food safety

Kenya Plant Health Inspectorate Service (KEPHIS)

**July 2019 to
date**

- Coordination, designing and implementation of national pesticide residue, aflatoxin and heavy metals sampling plan.

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2015 to June
2019

- Ensure correct sampling and analysis is done and final report writing and presentation to the management.
- Member and chair of codex technical committee on methods of analysis and sampling (CCMAS).
- Providing leadership in delivery of analytical chemistry services.
- Evaluation of data and approval for reporting.
- Method development validation and expansion of scope of analysis based on the institution objectives.
- Monitor work output, identify bottlenecks and corrective measures.
- Plan and execute on-site food safety training for technical staff in fresh produce value chain.
- Participate in development of food safety regulation and standard.

Head Analytical Chemistry Laboratory & Food safety

Kenya Plant Health Inspectorate Service (KEPHIS)

- Coordinating the day to day activities of the laboratory, maintain accreditation of the laboratory, organization and management of workflow in the laboratory.
- Providing leadership in delivery of analytical chemistry services
- Monitor work output, identify bottlenecks and corrective measures.
- Audit export firms following border rejection on interception due to contravention of regulation to evaluate their control level of pesticide residue at pack house and growers.

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2010 to 2015

Analytical Chemist Food safety Auditor

Kenya Plant Health Inspectorate Service (KEPHIS)

- Conduct audit on export firms following border rejection on interception due to contravention of regulation to evaluate their control level of pesticide residue at pack house and growers.
- Train farmer and technical staff on sustainable use of pesticide product.
- Evaluating compliance of food products with both local and international Food safety regulations through instrumental analysis e.g. MRLs
- Participating in national pesticide residue monitoring programs.
- Member of the Kenya Standing Committee an ad-hoc committee mandated to carry out risk assessment of bio-fertilizers, bio-pesticides and bio-control agents and thereby facilitating trade.

Quality Assurance Manager

2006 to 2010

Laboratory and Allied Pharmaceutical Company

- Develop, implement, review quality system.
- Ensure proper application of company's approved quality system is done
- Development, implementation, validation and review of analytical method and other laboratory documents
- Organize and conduct internal audits.
- Involved in professional guidance and cGMP training of the

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2005 to 2005

companies staff to ensure highest quality to the products.

- Lead research and product development team

Quality Assurance Manager

Elys Pharmaceutical Company

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- Ensure proper application of company's approved quality system is done.
- Development, implementation, validation and review of analytical method and other laboratory documents
- Organize and conduct internal audits.
- Involved in professional guidance and cGMP training of the companies staff to ensure highest quality to the products.
- Lead research and product development team.

2000 to 2004

Senior analytical chemist

Cosmos Pharmaceutical Company

- Development of methods of analysis
- Carry out stability studies
- Analysis of sample
- Sampling

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Education

EDUCATION HISTORY

2019 to date

Maseno University, Kisumu Kenya

Ph.D. student in Analytical Chemistry

Food safety-Effect of food processing in pesticide residue.

2014 to 2017

University of Nairobi, Nairobi Kenya

MSc in Analytical Chemistry

Research thesis-Setting PHI of carbendazim in green beans.

1995 to 2000

Egerton university, Njoro

Degree in Chemistry and Biochemistry, second class upper

1990 to 1993

Kalawa secondary school, Machakos county, Kenya

Kenya Certificate of Secondary Education

Skills

SKILLS

- Food safety chemical contaminants sampling and analysis (mycotoxin, pesticide, heavy metal etc.)
- Trained in mycotoxin analysis-Ghent university Belgium
- Trained on risk management Aarhus University-Denmark
- Trained on pesticide residue analysis and MRLs setting
- Chairing National Food safety Sector Skilled Advisory Committee (SSAC) on development of mangoes, avocado and French beans values chain level 3 to 6.
- Member and chair Nation Codex Committee on methods of analysis and sampling (CCMAS).

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Language

- Member of National inter agency committee on investigating NCB maize contaminated with aflatoxin 2016 to 2017
- Member of National inter agency committee on evaluation on flour and ground nut batter banned due to aflatoxin contamination in 2019
- Participated in evaluation of the field trial performance Aflasafe as a aflatoxin control measure at field level
- Involved in assessment of ILRI aflatoxin laboratory 2016.

LANGUAGE

English: Speaking, writing and reading

Swahili: Speaking, writing and reading

Kamba: Speaking, writing and reading

Publications and conferences)

PUBLICATION

Onesmus Mwaniki, Dr. D. Abong'o, Dr. J. Onyatta and Dr. J. Kithure. Investigating the Effects of Formulation, and Geographical Location on Degradation of Carbendazim in French Beans, Kenya. The International Journal Of Science & Technoledge (ISSN 2321 – 919X); vol 5 issue 2 of February 2017.

CONFERENCE PAPER

Onesmus Mwaniki, Dr. D. Abong'o, Dr. J. Onyatta and Dr. J. Kithure. Determining the Pre-Harvest Interval for Carbendazim in Control of Fungal Diseases in French Beans. The 9th Symposium of African Network for Chemical Analysis of Pesticide (ANCAP). Held in November 2016, Nairobi Kenya.

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Reference

REFEREES

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