

## **OMBAKA JOSHUA OWADE CURRICULUM VITAE**

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### **CAREER OBJECTIVES**

To demonstrate great expertise in the field of food science and nutrition by being part of the global team involved in the food security and nutrition problem solving.

To acquire high academic and professional qualifications in the field of food science and nutrition with the aim of participation in policy-making and leadership.

### **PROFILE**

I am an enthusiastic self-driven individual with a keen eye on details. I believe in teamwork and readily establish good working relationships with colleagues. I readily pick up new challenges with much flexibility as it suits and can deliver within tight schedules and under pressure.

### **KEY SKILLS**

Food Preservation; Food Microbiology; Food Safety; Human Nutrition; Risk assessment; Food and Nutrition Analysis; Qualitative and quantitative survey skills; Open data kit for data collection; Excellent skills in Ms Office packages such as Excel, Word, Powerpoint, Publisher and Access; Excellent data analysis skills with SPSS, Minitab and Genstat statistical packages; Good writing skills; Excellent oral and presentation skills.

### **Languages**

English- Proficient in oral, written and technical.

Kiswahili- Proficient in oral, written and technical.

Luo- Proficient in oral and written.

### **EDUCATION BACKGROUND**

2018-todate: Doctor of Philosophy (PhD) Food Science and Technology, University of Nairobi.

2016-2018: Master of Science (MSc.) Food Safety and Quality, University of Nairobi.

2012-2016: Bachelor of Science (BSc.) Food Science, Nutrition and Dietetics, University of Nairobi; Obtained First Class Honours.

2007-2010: Kenya Certificate of Secondary Education (K.C.S.E); Ambira High School; Attained a mean grade of A- (79 points)

2004-2006: Kenya Certificate of Primary Education (K.C.P.E); Ulumbi Primary School; Attained 361 marks out of possible 500 marks.

### **ADDITIONAL TRAININGS AND PROFESSIONAL COURSES UNDERTAKEN**

2019: Food Safety and Hygiene Training in line with PAS 96 Standards held on 9<sup>th</sup> February, 2019 at Metro Hotel Nairobi.

2018: Short-Course Programme on the Role of Technology, Policy/Advocacy and Extension in Addressing Food Security on 10<sup>th</sup>-12<sup>th</sup> December, 2018 at the University of Nairobi, Nairobi by the Food Security Centre of the University of Nairobi and Hohenheim University.

2017: In-House training in Environment, Occupational Health and Safety at International Livestock Research Institute, Nairobi.

2017: Web-based training on the Protecting Human Research Participants by The National Institutes of Health (NIH) Office of Extramural Research.

2016: First 1000 days seminar at Jaramogi Oginga Odinga Teaching and Referral Hospital, Kisumu. The focus of the training was on the Management of Malnutrition in the first 1000 days of a baby's life.

2015: Web-based training on caring for Infants and Children with Acute Malnutrition by the Southampton University.

### **PROFESSIONAL WORK EXPERIENCE**

**September 2018 to August 2021: Graduate Assistant at the FruVaSe Project, College of Agriculture and Veterinary Science, University of Nairobi. P. O. Box 29053-00625 Kangemi, Nairobi, Kenya.**

#### **Roles**

- Proposal development
- Conduct research on sustainable processing of indigenous vegetables.
- Report and scientific writing for documentation.

**June 2019 (Ongoing): Research Associate Consultant with the African Centre for Technology Studies (ACTS), P.O. Box 45917-00100. Nairobi, Kenya. Email: info@acts-net.org.**

#### **Assignment**

- Member of the technical committee tasked with developing the National roadmap for implementation of Science, Technology and Innovation in the Sustainable Development Goals.

- Mapping of the policy mix for the implementation of Science, Technology and Innovation of the Sustainable Development Goals.
- Proposal development
- Documentation of the work for the client.

**June-August 2019: Dairy Consultant with the Bless Dairies East Africa Ltd, P.O. Box 1634-30100 Eldoret, Kenya**

#### **Assignment**

- Systematic review of innovations and interventions in Eastern and Southern Africa using the Scopus and Web of Knowledge search engine.
- Compilation of a report for the client.

**April-May 2018: Qualitative Data Interviewer at the International Potato Centre, sub-Saharan Africa (CIP-SSA), P.O. Box 30709-00100 Nairobi, Kenya.**

#### **Roles**

- Conducted FGDs, Key Informant Interviews, Network mapping and Individual Qualitative Interviews.
- Documentation; through report writing and note taking during the study.

**August 2017-January 2018: Research Assistant at the International Potato Centre, sub-Saharan Africa (CIP-SSA), P.O. Box 30709-00100 Nairobi, Kenya.**

#### **Roles**

- Research proposal development.
- Food and Nutritional Analysis including sampling of shelf-storable orange fleshed sweetpotato puree and puree based bread.
- Microbial analysis of shelf-storable orange fleshed sweetpotato puree and puree based bread.
- Documentation through report writing, scientific publications and poster presentations.
- Data analysis using the Genstat and SPSS software.

**January 2017-December 2017: Part-Time Lecturer at P.C. Kinyanjui Technical Training Institute, Nairobi. P.O. Box 21280 - 00505 Nairobi, Kenya; Tel: +254 773 829 417**

#### **Roles**

- Conducted lectures on Food Analysis and Microbiology for the Year I, II and III.
- Experimentation on food analysis and microbiology for the year I, II and III.

**July 2016- October 2016: Intern Nutritionist at Care For AIDS.**

**Roles**

- Nutrition education and assessment of clients under the organization's program.
- Nutritional counseling of clients under the organization's program.
- Documentation through weekly report writing and progress reports.
- Administrative duties assigned under the empowerment department.

**May- August 2015: Attachment at Jaramogi Oginga Odinga Teaching and Referral Hospital- JOOTRH, Kisumu.**

- Nutrition Education of clients coming to the hospital.
- Nutrition assessment of clients admitted to the various nutrition program and designing of nutrition plan of action.
- Nutrition counseling and management of clients admitted into various programs in the hospital.
- Documentation through report writing and writing medical records.

**June- August 2014: Short term volunteer nutritionist at Yala Sub-County Hospital**

**Roles:**

- Nutrition Education of clients coming to the hospital.
- Nutrition assessment of clients admitted to the various nutrition program and designing of nutrition plan of action.
- Nutrition counseling and management of clients admitted into various programs in the hospital.
- Documentation through report writing and writing medical records.

**2011: Field enumerator with Millenium Villages Project.**

**Roles**

- Supervisory role as the team leader spearheading organization in the census
- Documentation through report writing and financial accounting.

**AWARDS AND RECOGNITION**

2018: Awarded a scholarship to study PhD in Food safety and Quality at the University of Nairobi by the FruVaSe Project steered by the German Federal Ministry.

2016: Awarded a scholarship by the University of Nairobi to study MSc. Food Safety and Quality.

2015: Best second year student BSc. Food Science, Nutrition and Dietetics in the University of Nairobi under the Dean's Award.

### **DISSERTATION/THESIS**

Physico-Chemical Properties, Sensory Profile and Shelf-Stability of Bread Incorporating Shelf-Storable Orange-Fleshed Sweetpotato Puree. MSc dissertation.

### **CONFERENCES/POSTER PRESENTATIONS**

**Owade J.O.**, Abong' G.O., Okoth M.W. and Tawanda M. Sensory Profile of Bread Made from Shelf-Storable Orange Fleshed Sweetpotato Puree. A poster Presentation at the Sixth African Higher Education Week and RUFORUM Biennial Conference at Kenyatta International Conference Centre, Nairobi, Kenya, 22-26<sup>th</sup> October 2018.

**Owade J.O.**, Abong' G.O., Okoth M.W. and Tawanda M. "Physico-Chemical Attributes of Bread developed from Shelf-Storable Orange Fleshed Sweetpotato Puree". A poster presentation at the 2<sup>nd</sup> Agri-Nutrition Conference at School of Government, Nairobi, Kenya, 11<sup>th</sup> to 13<sup>th</sup> September, 2018.

**Owade J.O.**, Abong' G.O., Okoth M.W. and Tawanda M. Sensory Attributes of Shelf-Storable Orange Fleshed Sweetpotato Puree Bread. A poster Presentation at Marketing, Processing and Utilization Community of Practice meeting in Blantyre, Malawi on 23<sup>rd</sup> to 24<sup>th</sup> April, 2018.

### **PARTICIPATION IN SEMINARS, CONFERENCES AND WORKSHOPS**

Seminar on the Launch of Inclusive Green Horticultural Sector in Kenya at Nairobi, 20<sup>th</sup> June 2018.

Africa Food Manufacturing and Safety Summit, Conference and Exhibition at Nairobi, April 24<sup>th</sup>-27<sup>th</sup>, 2018.

Food Safety Symposium organized by Food Science and Technology Platform of Kenya (FoSTeP-K), January, 2017.

### **PUBLICATIONS IN PEER REVIEWED JOURNALS**

**Owade, J. O.**, Abong, G. O. and Okoth, M. W. (2018). Production, utilization and nutritional benefits of Orange Fleshed Sweetpotato (OFSP) puree bread : A review. *Current Research in Nutrition and Food Science*, 6(3), pp. 644–655. doi: 10.12944/CRNFSJ.6.3.06.

**Owade, J. O.**, Abong, G. O., Okoth, M. W., Heck, S. and Low, J. (2018). Sensory Attributes of Composite Breads from Shelf Storable Orange-Fleshed Sweetpotato Puree. *Open agriculture*, 3, pp. 459–465. doi: 10.1515/opag-2018-0051.

### **PROFESSIONAL BODIES MEMBERSHIP**

2012-2014- Member of Nairobi University Agricultural Students Association (NUASA)

2017-todate- Food Science and Technology Platform of Kenya (FoSTeP-K)

### **LEADERSHIP EXPERIENCE**

2017-todate: Chairman of Mission Committee at Christ Evangelistic Church, CEC, Kabiria, Nairobi. P. O. Box 62264-00200, Nairobi.

2016-2018: Class Representative for MSc. Food Safety, College of Agriculture and Veterinary Science, University of Nairobi. P. O. Box 30197, Nairobi.

2015-2016: Served in the as an Executive Committee member of NET Ministries Trust University of Nairobi, College of Agriculture and Veterinary Science, University of Nairobi. P. O. Box 30197, Nairobi.

2012-2015: Served as Bible Study Pastor, In-Charge Inreach Coordinator and Commission committee treasurer, UKCCU, College of Agriculture and Veterinary Science, University of Nairobi. P. O. Box 30197, Nairobi.

### **REFEREES**

1. Prof. Michael Wandayi Okoth  
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Department of Food Science, Nutrition and Technology  
The University of Nairobi,  
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2. Dr. George Ooko Abong',  
Chairman  
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