

## **CURRICULUM VITAE**

**Dr. Jane Naliaka Situma ( PhD)**

SENIOR LECTURER

Department of Nutritional Sciences

School of Public Health and Biomedical Sciences

Masinde Muliro University of Science And Technology

P.O. Box 190-50100

Kakamega, KENYA

### **Contact details**

Office no. [ABA Room 109](#)

Kakamega-Webuye Road

Email :[jsituma@mmust.ac.ke](mailto:jsituma@mmust.ac.ke)

**Link <https://orcid.org/0000-0001-5379-3479>**

### **PROFILE**

Jane Situma is a nutrition specialist with over fifteen years of work experience in both clinical and community settings. With skills in these areas, she offers a unique combination of social determinants of health technical expertise, program management and training. She has independently managed programmes, requiring considerable leadership, capacity building skills, networking, and representation skills at various levels. Jane's ability to forge partnerships among/ with stakeholders has been a driving force in successful work completion and progress.

Jane has spearheaded many projects directed at improving sustainable nutrition practices among underserved or high-risk populations, including women and children. Utilising a blend of clinical nutrition skills and community-based approaches, she has been successful in developing unique programmes for infant and young child feeding, Integrated management of acute malnutrition and micronutrients deficiency interventions. Within these contexts, and working with clinical health workers and community-based health workers she has also carried out assessments targeting various areas of nutrition such as clinical assessment, food and nutrition security, community-based assessments, food assistance programme, and child malnutrition assessment and action plans.

Jane has participated in a variety of projects funded by USAID, CDC, Clinton HIV/AIDS Initiative, The Global Fund to Fight AIDS, TB and Malaria, WHO, WFP, FAO, UNICEF, JSI and AED. Jane is currently providing oversight for the UNICEF and USAID funded projects Implementing IYCF, IMAM and MNDC in Kakamega County

and Migori County . The projects aim at enhancing the health and survival of infant, young children and women of reproductive age

Jane has supervised several postgraduate students to completion with a lot of interest in product innovation to address the disease burden in the community utilising locally available indigenous foods and knowledge.

## ACHIEVEMENTS

- Participated in Development and validation of Kakamega County Advocacy, Communication And Social Mobilisation Strategy 2023-2027
- Participated in Development and validation of Kakamega County Agri-Nutrition Implementation Strategy 2023-2027
- Participated in development and validation of MSC Human Nutrition with Nuclear Techniques curriculum for Eastern, Western and Southern African Regions sponsored by International Atomic Energy Agency
- Awarded URF for the academic year 2020/2021, already developed the product (COVI-soup). Done microbial analysis, nutritional analysis and piloting at Kakamega Teaching and Referral hospital . Awaiting roll out to the community and commercialization.
- Successfully coordinated development of a PHD curriculum for Public Health Nutrition programme
- Junior researcher of the year award during MMUST gala dinner and 2016 Awards
- Successfully coordinated the review of Bsc. Human Nutrition and Dietetics programme to meet CUE regulation for the department of Nutritional Sciences in 2014
- Successfully coordinated the development of diploma programme in Human Nutrition and Dietetics for the department of Nutritional Sciences in 2013
- Spearheaded and managed emergency nutrition programmes in Rift Valley province during post election violence with over 97% recovery rate of malnourished children in 2008-2009
- Successfully facilitated trainings on infant and young child feeding, HIV and Nutrition, Integrated Management of Severe Malnutrition, Nutrition and HB Leading to certification of 17 hospitals in the vast Rift valley province as Baby Friendly Hospitals

## EDUCATION BACKGROUND

### **Doctor of Philosophy of Disaster Management and Humanitarian Assistance**

Masinde Muliro University of Science of Technology (2010 to 2014)

### **Masters of Science (Foods, Nutrition and Dietetics)**

Kenyatta University, Nairobi (2004-2008)

### **Bachelor of Science (Foods, Nutrition and Dietetics)**

Egerton University, Nakuru (1998 – 2003)

**Certificate in counseling and mentorship**

Kenya Association for Professional Counselors (2003)

Qualification: Certificate

**Certificate in Computer**

Destiny Computer College (2001)

Qualification: Certificate

**Certificate in Facilitative support supervision**

Family Health International (2009)

Qualification: Certificate

**Certificate in project Design Monitoring and Evaluation**

WRP-PEPFAR -2010

Qualification: Certificate

**Certificate in Management and leadership Skills**

WRP-PEPFAR- 2009

Qualification: Certificate

**Certificate in Mentorship and Leadership Development**

WRP-PEPFAR- 2009

Qualification: Certificate

**SHORT COURSE ATTENDED**

- Facilitated in a postgraduate workshop on the topic Ethics in Research Process held on 11<sup>th</sup> of July 2019 at MMUST ABA 208
- Attended workshop on Transforming food and agriculture through inclusive and effective policies to achieve 100% food and nutrition security at Crown plaza Nairobi, 15<sup>th</sup> to 16<sup>th</sup> May 2019
- Training of the members of Senate, Masinde Muliro University of Science and Technology, Kenya on corporate governance and management by the state cooperations advisory committee representatives at Sirikwa Hotel, Eldoret on 1<sup>st</sup> to 3<sup>rd</sup> May 2019
- Training of the members of Senate strategic planning workshop, Masinde Muliro University of Science and Technology, Kenya in alignment with the Kenya Government planning and budgeting cycle and incorporation of the development of blueprints of the Big four Development agenda at Bishop Stam Centre on 8<sup>th</sup> April 2019
- Attended an ISO training on awareness training for implementers ( iso 9001:2015) by Bureau Veritas at Masinde University of Science and Technology
- Attended a Proposal Grant writing workshop for new Doctors in the university held at Racecourse Hotel Eldoret on 26<sup>th</sup> to 27<sup>th</sup> November 2016

- Attended University multiplication training workshop on curriculum development and review for public universities in Kenya: Implementation and accreditation held at MCU, MMUST in Kakamega from 23<sup>rd</sup> to 24<sup>th</sup> January ,2014
- Participated in social science research method workshop funded jointly by French Embassy and MMUST at Masinde Muliro University of science and technology on 9<sup>th</sup> to 11<sup>th</sup> June 2014

## PUBLICATIONS

### Journal papers

1. Mwanzo L, Mutuli L and Situma J (2024).Utilization of nutrition information on food labels by diabetic mellitus and hypertensive patients attending clinic at Kakamega County Teaching and Referral Hospital, Kenya. *Afr. Journal Food and Agric Nutr Dev* Volume 24 No.4 April 2024. Pg 26112-26130.  
<https://doi.org/10.18697/ajfand.129.23835>
2. Akelola R., Wamukoya E., and SitumaJ. (2024) Effect of food-based nutrition intervention on management of non-communicable diseases among people living with HIV in Busia County Hospital, Kenya. *Afr. Journal Food and Agric Nutr Dev* Volume 24 No.1 January 2024 22568-22584 eISSN: 1684-5374 pg 25371-25390 print ISSN: 1684-5358 <https://doi.org/10.18697/ajfand.126.23955> 25381
3. Wamatuba R., Wamukoya E. and Situma J. (2023). Effect of PROLCARMIV on Management of Non-Communicable Diseases Among People Living with HIV in Busia, County Hospital-Kenya. *Science Journal of Public Health*, Volume 11, Issue 5, September 2023 Pages: 174-185
4. Sagam,C., Kivelenge A, Olayo R, Wanjala C, Mutai C, Wesonga B, Mutuli L and Situma J (2023). Effect of Covi-Soup on CD4 Cell count and Hypertension in Kakamega County: A Randomized Control Trial. *Afr. Journal Food and Agric Nutr Dev* Volume 23 No.2 February 2023 22568-22584  
<https://doi.org/10.18697/ajfand.117.22910>
5. Sagam,C., Kivelenge A, Mutuli L and Situma J (2023). Effect of Covi-soup on Random Blood Sugar and Blood Pressure among patients with Type II Diabetes and Hypertension in Kenya. *Al-Sihah:The Public Health Science Journal* , 15(1),53-62 <https://doi.org/10.24252/al-sihah.v15i1.37196>
6. Tukei JE, Situma J and SO Konyole (2022) Relationship between household characteristics and food security among households with school going children 6-14 years in Turkana County,Kenya. *Afr. Journal Food and Agric Nutr Dev* Volume 22 No.4 June 2022: 20246-20258 <https://doi.org/10.18697/ajfand.109.22370>

7. Situma J. N. and Ogola M (2020). Utilization Of Edible Insects In Risk Reduction Of Non Communicable Diseases. *Researchjournali's Journal of Public Health* Vol. 6 No. 8 November 2020.  
[www.researchjournali.com/pdf/5633.pdf](http://www.researchjournali.com/pdf/5633.pdf)
8. Situma, J. N. and Kotut B. (2020). Feeding practices of infants, health and nutrition challenges faced by adolescent mothers. *Asian Journal of Basic and Applied Sciences, Review Paper* pg 40-47. Vol. 7, No. 1, 2020 ISSN 2313-7797
9. Kotut B., Bor W. and Situma J. (2020). Dietary Practices and Nutrition Status of Infants Born to Adolescent Mothers in Transmara West, Narok County, Kenya *International Journal of Innovative Research & Development*. DOI No. : 10.24940/ijird/2020/v9/i6/JUN20060 ISSN 2278 – 0211 (Online)
10. Musungu R., Sigot A. and Situma J (2019). Dietary Intake of Pupils, 8-14 Years in Bungoma County, Kenya. *International Journal of Innovative Research & Development* Doi No. : 10.24940/Ijird/2019/V8/I10/Oct19009 ISSN 2278 – 0211 (Online)
11. Enid K., **Jane S.** and Asenath S. (2019). Nutritional knowledge and practices among cataract patients attending Sabatia Eye Hospital, Kenya. *European Journal of Public Health Studies*. ISSN 2668-1056 or ISSN-L- 2668- 1056 Volume 1 Issue 2 2019 Available On line at: [www.oapub.org/hlt](http://www.oapub.org/hlt) . doi:10.5281/zenodo.3494997
12. **Situma, J.**, Musungu, R. L. & Aguvania, C. (2019). An evaluation of the national school meals and nutrition strategy program in the western region of Kenya. *International Journal of Multidisciplinary Academic Research*, 7 (1), 44-51. <http://multidisciplinaryjournals.com/ijmdar-vol-7-no-1-2019/>
13. **Situma Jane**, Keseko Enid and Musungu Rhoda.2019, Utilization of Wooden Lockable Fish Ponds for Enhanced Household Food Security in Peri-Urban Areas of Busia County, Kenya. *Int J Recent Sci Res*. 10(08), pp. 34166-34169. DOI: <http://dx.doi.org/10.24327/ijrsr.2019.1008.3834>
14. **Situma J.**, Enid, K. & Nabwoba, R. (2019). Level of exposure to risk factors for non-communicable diseases among the youth in Bungoma county, Kenya. *International Journal of Multidisciplinary Academic Research*, ISSN 2309-3218 7 (1), 28-43. <http://multidisciplinaryjournals.com/ijmdar-vol-7-no-1-2019/>
15. **Situma J.**, Keseko E and Musungu R (2019). Nutrition security of households utilizing wooden lockable fish ponds in peri-urban areas of B usia county, Kenya. *International Journal of Research in Agricultural Sciences (IJRAS)*. ISSN (online) : 2348 – 3997 <http://ijras.org/index.php/issue>
16. **Situma J.**, Ahoya B. and Musungu R. (2019). Awareness and Utilization of Mother Child Health Booklet by Health Workers and Mothers in Western Kenya. *International Journal of Innovative Research & Development* Doi No. : 10.24940/ijird/2019/v8/i5/MAY19007, 2019 ISSN 2278 – 0211 (Online)
17. **Situma J.**, Wakhungu J. and Neyole E. (2019). Nutritional Security of Pre-school Children from Irrigators and Non-irrigators Households in Turkana County, Kenya. *International Journal of Sciences: Basic and Applied Research (IJSBAR)* ISSN 2307-4531 (Print & Online) <http://gssrr.org/index.php?journal=JournalOfBasicAndApplied>

18. **Situma J.**, Wakhungu J. and Neyole E. (2019). Small scale irrigation farming interventions in Turkana County, Kenya. International Journal of Innovative Research & Development Doi no. : 10.24940/ijird/2019/v8/i6/Jun19029, 2019 ISSN 2278 – 0211 (online)
19. Ahoya B. and **Situma J.** (2016). Anthropometric assessment and patient satisfaction with hospital meals in County referral hospitals of western Kenya- International Journal of Health Science Research .ISSN: 2249-9571 Vol. 5 Issue 7 Pg 317–25
20. **Situma J.** and Ahoya B. (2016). Local Foods Used for Porridge and Complementary Foods Vendors Nutritional Knowledge. International Journal of Research and Review www.gkpublication.in ISSN: 2349-9788; P-ISSN: 2454-2237/ July 2016
21. **Situma J.**, Wakhungu J. and Neyole E. (2015). Comparison of dietary practices among school children in households practicing and not practicing irrigation in Turkana County. Researchjournali's Journal of Public Health Vol. 1 | No. 5 June | 2015

#### **Books;**

1. **Situma J.** Mutuli L and Waudo J. Dietary intake and nutrition status of HIV-infected women in Kenya- 978-3-659-40632-4 Lambert Academic Publishers 2013
2. **Situma J. Namunyu J and Mutuli L.** Health and nutrition status of preschool children- 978-3-659-44038-0 Lambert Academic Publishers 2013

#### **Paper presentations**

- Enhancing household food and nutrition security through utilization of wooden lockable fish ponds in Nambale Sub county Busia county, Kenya at conference on Federation of African Nutrition Societies (FANUS) at Kigali, Rwanda on 26<sup>th</sup> - 29<sup>th</sup> August, 2019
- Risk factors of Non communicable diseases among the Youth in Bungoma County 4<sup>TH</sup> conference at conference on Federation of African Nutrition Societies(FANUS) at Kigali Rwanda on 26<sup>th</sup> -29<sup>th</sup> August, 2019
- An evaluation of school meal policy strategy in Kakamega County, Kenya at 4<sup>TH</sup> conference conference on Federation of African Nutrition Societies (FANUS) at Kigali Rwanda. on 26<sup>th</sup> -29<sup>th</sup> August, 2019
- Nutritional knowledge levels among cataract patients attending eye clinic at Kakamega County Hospital at Masinde Muliro University of Science and Technology during 13<sup>th</sup> multi-disciplinary international conference 19<sup>th</sup> – 21<sup>st</sup> June 2019
- Awareness and utilization of mother child booklet by health workers and mothers in western Kenya at Masinde Muliro University of Science and Technology during 13<sup>th</sup> multi-disciplinary international conference 19<sup>th</sup> – 21<sup>st</sup> June 2019

- Nutritional practices among cataract patients attending eye clinic at Kakamega County Hospital at Masinde Muliro University of Science and Technology during 13<sup>th</sup> multi-disciplinary international conference 19<sup>th</sup> – 21<sup>st</sup> June 2019
- Dietary intake of pupils, 8-14 years in Kanduyi sub county, Kenya at Masinde Muliro University of Science and Technology during 13<sup>th</sup> multi-disciplinary international conference 19<sup>th</sup> – 21<sup>st</sup> June 2019
- Dietary management of hyperlipidemia among HIV infected clients on ART in Kericho County referral hospital at 3<sup>rd</sup> conference on Federation of African Nutrition Societies(FANUS) 25<sup>th</sup> to 29<sup>th</sup> May 2015 Arusha, Tanzania
- Dietary intake, health and nutrition status of women attending patient support centre in Suba District Hospital at Kcan'inaugural national nutrition congress held on 21<sup>st</sup> to 23<sup>rd</sup> 2005 at Kenya School of Monetary studies, Nairobi , Kenya

#### **OTHER RESPONSIBILITIES IN THE UNIVERSITY**

- Currently , Coordinating PSSP activities in the School of Public Health and Biomedical Sciences
- Represented School of Public Health and Biomedical Sciences in the University senate 2018 to 2019– Senate reps for SPHBS
- Current coordinator of post graduate programmes in the department 2017 to date
- Member of curriculum review in the school of Public Health and Biomedical Sciences 2014 to date
- Member of committee for postgraduate school of Public Health and Biomedical Sciences 2015 to date
- Appointed as coordinator to MMUST / IPR collaboration committee 2014-2016
- Examination coordinator in the department of nutritional sciences 2011-2014
- Has acted as Chairman of the Department on several occasions when chairman is away on leave or on official assignments

#### **COMMUNITY SERVICE**

- 1. Board member Shibale Secondary School, Mumias 2019 January to date**
- 2. Treasurer to ACK St Paul's Shibale parish, Mumias Diocese March 2017 up to date**
- 3. Chairman of ACK Mumias guesthouse 2015 to 2018**
- 4. Member of Gideon's**

#### **PROFESSIONAL STRENGTHS**

- Understanding of health and nutrition issues in emergency settings
- Understanding of child protections issues in vulnerable settings and appropriate programming to address the issues
- Understanding and vast experience with public health nutrition and clinical nutrition for health care and promotion in the community

- Proficiency in using Microsoft office, internet, SPSS and Epi- Info
- Experience in implementing health activities beyond health sector to include environmental, social, economic and cultural dimensions
- Understanding of determinants of health and its relations to development
- Experience and ability to develop and run appropriate health and nutrition interventions in an emergency setting
- Experience in conducting nutrition assessments and survey using ENA and SMART methodology
- Knowledge of community based therapeutic care, stabilization centres and community therapeutic Centres
- Experience and ability to prepare training manuals and facilitate participatory trainings both formal and informal
- Understanding and experience in developing monitoring and evaluating systems for health and nutrition programmes
- Ability to develop proposals based on community needs
- Understanding of behavioral theories and their application in designing BCC programmes
- Understanding and ability to use participatory approaches in designing and implementing community based programmes
- Understanding and use of both qualitative and quantitative methodologies in research and evaluations
- Understanding and experience attained in using Project Design and management in planning and Implementation projects
- Understanding and experience with health system research – action research
- Ability to lobby relevant stakeholders and advocate for health issues

### **ADDITIONAL QUALIFICATIONS**

12 <sup>th</sup> to 17 <sup>th</sup> July 2008	Save the Children Kenya training as a national IMAM TOT.
13 <sup>th</sup> to 22 <sup>nd</sup> March 2008	NASCOP training as a national TOT in Nutrition and HIV including teach back methodologies
9 <sup>th</sup> to 13 <sup>th</sup> November 2007	WHO training as TOT in Infant and young child feeding practices
3 <sup>rd</sup> to 6 <sup>th</sup> March 2009	WHO child growth standards national trainer

### **PROFESSIONAL AFFILIATIONS**

Member of Kenya Nutritionists and Dietician institute (KNDI) 2009 to date  
 Member of Nutrition association of Kenya 2005 to date  
 Member of Speak Nutrition 2015 to date



## REFEREES

Prof Edwin Wamukoya  
Dean School of Public Health and Biomedical Sciences  
Masinde Muliro University of Science and Technology  
P.O BOX 190  
KAKAMEGA  
=

Dr Rose Shikuri  
Chairman of Department, Nutritional Sciences  
Masinde Muliro University of Science and Technology  
P.O BOX 190  
Kakamega

Dr Florence Kyallo  
Senior Lecturer  
Jomo Kenyatta University of Agriculture and Technology  
THIKA