

CURRICULUM VITAE

PERSONAL DETAILS

NAME : DR. FLORENCE M.M. KYALLO
MARITAL STATUS : Married with 2 children
NATIONALITY : Kenyan
RELIGION : Christian
CONTACTS : 0722-69 35 23
ADDRESS : P.O BOX 7335-00300 NAIROBI
EMAIL ADDRESS: kyallofm@gmail.com; fkyallo@jkuat.ac.ke

PROFESSION: Nutritionist and Lecturer

CAREER OBJECTIVES

To obtain research-based evidence that would help change policies in Government, hospitals and institutions, as well improve health, food and nutrition security of vulnerable groups in Kenya and in the region. Training students at undergraduate and graduate levels to enable them acquire knowledge and skills to apply theory into practice and bring a change to the nation of Kenya, Africa and the world at large.

ACADEMIC BACKGROUND

2008-2012: Doctor of Philosophy in Applied Human Nutrition. ‘The effect of nutrition education on overweight/obesity and the associated risk factors among school children (9-14 years) in Nairobi’. University of Nairobi, Kenya.

2001 - 2004: Master of Science in Applied Human Nutrition. University of Nairobi, Kenya.

1990 - 1993: Bachelor of Science in Horticulture. Second Class Honours, Upper Division. Egerton University, Kenya.

1988 - 1989: Kenya Advanced Certificate of Education (KACE): Mathematics, Chemistry, Biology. 3 Principals and 1 subsidiary. 11 Points. Alliance Girls High School.

1984 - 1987: Kenya Certificate of Education Division One, 11 Points. Precious Blood Secondary School, Kilungu.

WORK EXPERINENCE:

- ✓ Over fifteen years experience as a lecturer and researcher in the field of nutrition at the university and other tertiary institutions.
- ✓ Curriculum development at the University and in regional forums including the HENNA and eLEFANS, curriculum development projects which brought together universities in Kenya (Jomo Kenyatta University of Agriculture and Technology, Kenyatta University and Egerton University), Uganda (Makerere University), Ethiopia (Hawassa University) and Germany (Giesen and Ulm Universities).
- ✓ Member of technical working groups at the Ministry of Health in Kenya (Nutrition and HIV, Agri-Nutrition and Healthy Diets)
- ✓ Document development:
 - Team member, review of the National Guidelines on Nutrition and HIV for NASCOP-MOH
 - Team lead (consultant), review of NASCOP HIV and Nutrition Job Aids
 - Development and review of standards documents for KNDI (Accreditation, Licensing and Indexing Guidelines) for Training Institutions in Kenya
- ✓ Consultant for World Food Programme, DANIDA, Kenya HIV/AIDS Business Council (KHBC) and World Health Organization (WHO)
- ✓ Registered nutritionist with Kenya Nutritionists and Dieticians' Institute (KNDI), where I have also participated in development and review of various guidelines
- ✓ Approved KNDI faculty member

EMPLOYMENT EXPERIENCE

August 2018 to Date: Chair of Department of Human Nutrition Sciences, JKUAT

September 2013 to date: Lecturer, Department of Food Science and Technology, Jomo Kenyatta University of Agriculture and Technology (JKUAT), Kenya.

Responsibilities

- Teaching undergraduate and postgraduate programmes
- Research
- Supervision of Bsc, Msc. and PhD students
- Community attachment advisor, Bsc. Human Nutrition and Dietetics programme

- Department Time Table coordinator
- Committee Member, Department Quality Assurance Committee
- class advisor, First year Human nutrition and dietetics

2007-date: Support lecturer, College of Health Sciences, (COHES) JKUAT. Teaching nutrition units for Bsc. Public Health, Bsc. Medical Laboratory Sciences, Bsc. and Dipl. Clinical Medicine, Bsc. Physiotherapy, Bsc. Community Health and Development and Bsc. Nursing.

March 2006 to September 2013: Assistant lecturer at the Department of Food Science and Technology, Jomo Kenyatta University of Agriculture and Technology (JKUAT), Kenya.

Responsibilities

- Teaching undergraduate and postgraduate programmes
- Research
- Supervision of Bsc and Msc
- Community attachment advisor, Bsc. Human Nutrition and Dietetics programme

2004 - 2005: Africert Limited, Nairobi. EUREPGAP Inspector.

2004 - 2005: Part time Lecturer. Eastern Institute for Health Research and Training, Nairobi. Class consisted of Diploma students in Public Health and Health Management. Also involved in Curriculum Development for a course on HIV/AIDS and Nutrition.

1995 - 1997: Agriculturalist. Tana and Athi Rivers Development Authority (TARDA).

January 1996 - July 1996: Project Manager, Masinga Irrigation Project. Tana and Athi Rivers Development Authority (TARDA).

August 1996 - December 1996: Acting Project Manager, Kibwezi Pilot Irrigation Project.

January - July 1994: Pennekamp and Bising, Harsewinkel, Germany. Intern Horticulturist and Landscape Designer.

ADDITIONAL PROFESSIONAL TRAINING

4th-10th June 2017: Leadership Program for Agricultural Research and Development (LEPARD)

February 2016: SMART Survey Manager Training in Maanzoni, Kenya. Training by ACF Canada

August 2011: Clinical Trials in Kenya. Kenya Medical Research Institute (KEMRI)

October 2010: Nutrition in Emergencies. Certificate. Nutrition Works, UK.

June 2009: Ecosystem Approaches To Human Health Systems and Project Design. Training by IDRC at Windsor Hotel and Golf Club, 7-10 September 2009, Nairobi.

April 2009: Scientific writing and publishing. Certificate. Gechaga Institute, University of Nairobi.

December 2007: Mentoring Young Scientists on Innovative Application of Research and Development in Africa. African Academy of Sciences, Nairobi.

October – November 2007: Research Methods: Thinking Scientifically. Certificate. World Agroforestry Centre, Nairobi.

July 2007: ‘Preparing and presenting effective scientific posters’. Certificate. Gecaga Institute, University of Nairobi.

March 2007: Use of Isotope Technique and Bio impedance in Monitoring of Nutrition Interventions. Certificate. IAEA/ Kenya Medical Research Institute.

November 2004: Hazard Analysis and Critical Control Point (HACCP) Level 1. Certificate. House of Quality, South Africa.

August - September 2004: DGQ- Qualitätsbeauftragter und interner Auditor Training (Internal Auditor training). House of Quality, South Africa. Certificates Awarded:

- DGQ Certificate
- Certificate in ‘Quality Management Systems and Internal Audits’
- Certificate in Application of Quality Management Systems

May - July 2000: Project Planning & Management. Certificate:Overall Grade: Distinction. Catholic University of Eastern Africa.

October 1998 - July 1999: German as a Foreign Language. Certificate. Folkhochschule Bayreuth, Germany.

November 1993 - October 1993: Microcomputer Application Packages. Computer literate in Word, Excel, SPSS and Power Point. Egerton University.

CONSULTANCY

2017 To Date: Consultant, World Food Programme: Improvement Of Wfp Supported Rural

Resilience Programme In Kenya's Arid And Semi-Arid: Part of a team of consultants from JKUAT.

2015: National Consultant, World Health Organization (WHO) and National AIDS and STI Control Programme. Revision of the Nutrition and HIV Tool Kit for service care providers in Comprehensive care centres in Kenya

Jan 2012-Dec 2013: National Consultant for World Food Programme-Kenya. Nutritional Vulnerability of People Living With HIV and AIDS in Kenya. A national survey conducted in a collaboration between Kenya Medical Research Institute (KEMRI), National AIDS and STI control Programme (NASCOP) and World Food Programme (WFP).

2008: Trainer, developing Monitoring and Evaluation systems, Kenya HIV/AIDS Business Council (KHBC), Nairobi

2003 - 2005: Danida – Consultant. Community Based Nutrition Programme, Nairobi. Consultant on Monitoring and Evaluation of Nutrition Interventions and Food Security Projects. Was involved in baseline and followup surveys: development of data collection tools, design, data collection, data analysis and report writing of nation wide and regional surveys including household baseline and follow up surveys and orphan surveys carried out in 13 districts in Kenya.

RESEARCH EXPERIENCE

2016-2022: Project leader, Legumes in Nutrition and Health. A collaborative research project between KU-Leuven University, Belgium and JKUAT and funded by VLIR-UOS.

2012-2016: Development of a nutritious composite flour from pearl millet (*Pennisetum glaucum*) and pumpkin (*Cucurbita pepo*-variety *styriaca*) (with Kindiki Maryanne and Dr. Arnold Onyango)

2014 to 2017: Development of elearning courses for nutrition education and counseling, and Nutrition in Emergency Situations. Project funded by EU-Edulink in collaboration with German, Ethiopian, Ugandan and Kenyan Universities.

- 2013-date:** Effect of school feeding on nutritional status of pre-school children in Ganze Division of Kilifi County, Kenya. (with Mungai Beatrice)
- 2013-Date:** A case control study of clinical and socio-demographic risk factors associated with severe acute malnutrition (sam) among children admitted at Lubango hospital-Angola (with Ketha F)
- Jan 2012-2014:** Nutritional Vulnerability of People Living With HIV and AIDS in Kenya. A collaboration between Kenya Medical Research Institute (KEMRI), National AIDS and STI control Programme (NASCOP), World Food Programme (WFP).
- 2007 – 2012:** The Impact of Nutrition Education on overweight and obesity and the associated risk factors and among school children aged 9-14 years in Nairobi, Kenya.
- 2011 – 2013:** Effect of Soy bean based diets on nutrition status of children below five years in Rwanda. A collaboration between Rwanda Agricultural Board, RUFORUM and JKUAT.
- June 2009 – 2011:** Committee member, HENNA project on Harmonization of Applied Human Nutrition curricula within Eastern Africa Universities. A collaboration between JKUAT, University of Nairobi and Egerton University in Kenya, Hawassa University in Ethiopia, Makerere University in Uganda, University of Ulm and Giessen University in Germany. (Project funded by EU)
- 2008:** Trainer, developing Monitoring and Evaluation systems, Kenya HIV/AIDS Business Council (KHBC), Nairobi
- February – April 2007:** Co-researcher. The Role of Probiotics in the Health and Nutrition of the Maasai of Kajiado District, Kenya. A collaboration between JKUAT and Friedrich-Schiller-University, Germany.
- 2003 - 2005: Danida** - Community Based Nutrition Programme, Nairobi. Consultant on Monitoring and Evaluation of Nutrition Interventions and Food Security Projects. Was involved in data collection, data analysis and report writing of nation wide and regional surveys including household baseline and follow up surveys and orphan surveys carried out in 13 districts in Kenya.
- April - July 2003: Research assistant.** Food Consumption, Vitamin A and Nutritional status of children 6 - 59months in Machakos district, Kenya. A study conducted under the Applied Nutrition Programme, University of Nairobi.

March - February 2003: Research assistant. Food Security, Health and Nutritional Status of Under-Fives in Kisii District, Kenya. A survey carried out by the Applied Nutrition Programme, University of Nairobi.

FUNDED RESEARCH PROJECTS

2016-2021: Principal Investigator: Legumes in Nutrition and Health A collaboration with KU-Leuven University, Belgium and Funded by VLIR-UOS, Belgium.

2016-2020: Stream leader Nutrition Education and awareness. Strengthening the Kenya National Food Fortification Programme Project funded by the European Union

PUBLICATIONS AND PRESENTATIONS

2017: Catherine Shitemi, **Florence Kyallo** and Yeri Kombe Prevalence and contributing factors to malnutrition among children aged 6 to 24 months attending well baby clinic at Mbagathi District Hospital, Nairobi, Kenya.

2016: Vincent O. Onywera, Stella K. Muthuri, Sylvester Hayker, Lucy-Joy M. Wachira, **Florence Kyallo**, Robert O. Mang'eni, Teresa B. Mwoma, Peter Bukhala, Everlyne Amile and Caleb Mireri. Results from the 2016 Report Card on the Physical Activity and Body Weight of Kenyan Children and Youth. *International Journal Of Physical Activity And Health*

2016: Kamotho S.N , **Kyallo F.M**, Sila D.N Biofortification of maize flour with grain amaranth for improved nutrition. *AJFAND*. No 15945

2016: Abdikadir S. Omar, Joseph K. Mutai, **Florence M. Kyallo**, Musa Otieno Ngayo. Family planning utilization and correlates; perspective of women aged 15-49 years from Mandera County of North Eastern Kenya. *Journal of Health, Medicine and Nursing Vol.26, 2016* 156-168.

2015: Maryann Mukethi Kindiki, Arnold Onyango, **Florence Kyallo**: Effects of Processing on Nutritional and Sensory Quality of Pearl Millet Flour. *Food Science and Quality Management Vol.42, 2015* 13-20.

2014: Niyibituronsa M, **Kyallo F**, Mugo C and Gaidashova. The Effects of Household Food Practices and Diseases Prevalence on Nutritional Status of Under-Five Children in Ruhango District, Rwanda

- 2014:** Niyibituronsa M, **Kyallo F**, Mugo C and Gaidashova. Improving the nutritional status of Malnourished Children in Rwanda. *AJFAND* 14:4.
- 2013:** **Kyallo F.M.**, Mwangi A.M.M and Makokha A.O. (2013). Overweight and Obesity among Public and Private school children in Nairobi, Kenya. *Health*.
- 2012:** Catherine Wachuka Mutie and **Florence Kyallo (2012)**. Empowering Women Through Better Healthcare and Nutrition: The Case of Kenya: In Empowering Women Through Better Healthcare and Nutrition in Developing Countries. *The Centre for Science and Technology of Non-Aligned and Other Developing Countries (NAM S&T Centre), India* Page 151-160..
- 2012:** Louise Ngugi, Jasper Imungi, Jaswant Sehmi and **Florence Kyallo (2012)**. Knowledge on and Consumption of Traditional Green Leafy Vegetables among 13-14 year olds – A Case Study of two Primary Schools in Peri-Urban Nairobi. Paper presented at the 24th Nutrition Congress Africa 01-04 October 2012 Bloemfontein, South Africa.
- Andere N.A and **Kyallo F.M. (2011)**. Nutritional Status, Nutrition Knowledge and Attitudes of students in Jomo Kenyatta University of Agriculture and Technology. Paper presented at the Jomo Kenyatta University of Agriculture and Technology Conference, October 2011.
- 2011:** Nadja Knoll, Katrin Kuhnt, **Florence M. Kyallo**, Beatrice N. Kiage-Mokua, and Gerhard Jahreis. High content of long-chain n-3 polyunsaturated fatty acids in red blood cells of Kenyan Maasai despite low dietary intake. *Lipids in Health and Disease*. 10:141.
- 2010:** **Kyallo F.M.**, Mwangi A.M and Makokha A.O. Demographic and socioeconomic determinants of overweight and obesity among school children in Nairobi. Paper presented at the 4th ANEC Conference. Safari Park Hotel, Nairobi.
- 2010:** **Kyallo F.M.** Imungi J.K. Sehmi J. and Ngugi L.W. Utilization of Traditional Leafy Vegetables in Kalama Division, Machakos, Kenya. Paper Presented at the 2nd ITROMID Scientific Conference. AICAD, Kenya. 25-28th May 2010.
- 2010:** Macharia-Mutie C.M and **Kyallo F.M.** Empowering Women Through Better Healthcare and Nutrition; Preliminary Findings of the 2008-9 Kenya Demographic and Health Survey (KDHS). Paper presented at the International Conference on Empowering Women in Developing countries Through Better Healthcare and Nutrition. BITS Pilani, Rajasthan, India on 22-24th April 2010.

2009: Kyallo F.M., Mwangi A.M. and Makokha A.O. Obesity among School Children In Nairobi. Paper presented at the UNICEF Nutrition Research Symposium. Pan Afric Hotel, Nairobi. 29-30th June 2009.

2009: Kyallo F.M., Mwangi A.M. and Makokha A.O. Nutrition Status of School children In Nairobi. Paper presented at the 3rd East African Health and Scientific Conference. KICC. Nairobi, Kenya on 27-29th March 2009.

EXPERIENCE IN DOCUMENT DEVELOPMENT

2010- to date: Member, Nutrition and Health Technical Committee, **Kenya Bureau of Standards:** Development of a National Standard on Clinical Nutrition Practice, Nutrition Care Process and Nutrition Practice Tools

2014: Member of Technical Committee: Review of the Kenya National Guidelines on Nutrition and HIV (NASCOP)

2012: Development of Data collection Tools, Training Manuals, and protocols for the Kenya National Nutrition and HIV Vulnerability Survey: Funded by World Food Programme and NASCOP.

2012: Content developer: Development of training curriculum in Human nutrition for use Ethiopian, Kenyan and Ugandan Universities for graduate and undergraduate programmes. Funded by European Union

2003-2005: Development of Monitoring and Evaluation Tools for use by Health Workers in regions covered by the Community Based Nutrition Programme (CBNP), funded by DANIDA, and implemented by the Ministry of Culture, Gender and Social Services

2013-2014: Part of teams that Reviewed of various documents for the Kenya Nutritionists and Dieticians Institute (KNDI)

RESEARCH AND WORK PARTNERSHIPS

2013-Date: Determinants of malnutrition among children aged 6 to 24 months attending the well baby clinic at Mbagathi District Hospital

2012-2013: World Food Programme and NASCOP: National Consultant, Nutrition and HIV Vulnerability Profiling Survey. Produced a report which is currently used in Kenya for Nutrition programming by the **Ministry of Health** and Partners

2010- to date: Ministry of Health (NASCOP): Member of the Nutrition Technical Working Group; Review of Nutrition and HIV Guidelines

2015: FAO: Member, the ENACT network in Kenya

2011- to date: Member, National Obesity Workig Group, **Ministry of Health**

2011- Date: Kenya Bureau of Standards: Member, the Nutrition and Health Technical Committee

BOOK CO-AUTHORED

2002: English-Kiswahili Assorted Dictionary. A dictionary giving Kiswahili translation of English terms used in medicine, nutrition, health, agriculture among other fields. Co-authored with Wamitila K.W. Published by Focus Publications, Nairobi in 2002 and **Revised 2005.**

(forthcoming). Florence M. Kyallo. Nutrition for Beginners. Submitted to Vide-Muwa Publishers Limited, Nairobi.

PHD SUPERVISION

2016-To Date: Alice Theuri: Development Of A Telecommunication Tool For The Management Of Type 2 Diabetes Mellitus Among Adult Outpatients In Kenya

October 2013- to date: Lynnete Dinga: influence of nutrition education on fathers' participation in promoting infant nutrition practices in lower Nyakach division, Kisumu county

December 2013-to date: Mungai Beatrice: effect of school feeding on nutritional status of pre-school children in Ganze division of Kilifi county, Kenya.

MASTERS PROJECTS SUPERVISED

Marguerite Niyibituronsa (2011-2013). The effect of two soybean based products on weight gain among moderately malnourished children aged 1-5 years in Ruhango district of Southern Province, Rwanda.

Ivy Mwaiwawo Vale (2011-to date). Nutrition Knowledge, Attitude, Practices and Status of Primary School Teachers in Malawi.

Igrid Okello (2012-To Date): Health attitudes, food habits and nutritional status of Fashion models in Nairobi.

July 2013- to date: Charmaine Kinuthia A study to examine the association between dietary diversity and nutritional status among Kenyan children aged 6-59 months.

August 2013- to date: Joshua Mosoti Orina. Knowledge, attitudes and practices affecting hiv transmission among sero-discordant couples in the Defence Forces Memorial Hospital, Nairobi - Kenya

UNDERGRADUATE PROJECTS SUPERVISED

Gacheru P.K (2010). Nutritional status of school going children (6-15 years) attending the Interim Care Centre Feeding Programme, Thika.

Midika, F. (2010). Effectiveness of Dietary Interventions among adults living with HIV/AIDS attending FBP programme in Thika District Hospital.

Andere N. (2010). Nutritional Knowledge among University students in JKUAT, Juja campus.

Mang'eli J.K., (2010). Knowledge Attitudes and Breastfeeding practices among mothers in Kiang'ombe, Thika.

Mwanzia M. (2009): Risk Factors for Overweight and Obesity among school children in Makadar Division, Nairobi

Chemtai Irene. (2009): Prevalence and Related Risk Factors of Overweight and Obesity among Children Underfives attending Thika District Hospital.

Ojumbo w. J (2009): Risk Factors for Vitamin A Deficiency among Children attending Thika District Hospital.

Maina S. N. (2009): Prevalence and Risk Factors Associated with Protein Energy Malnutrition among Children attending Thika District Hospital

Onkware A. (2009): Complementary Feeding Practices and Nutritional and Health Status among Children Underfives attending Thika District Hospital.

Kipng'etich B.H. (2009): Breastfeeding Attending and Practices among Mothers with Children aged 0-24 months.

Wafula E. N. (2009): Risk Factors for Iron Deficiency among children underfives attending Thika District Hospital.

Lewa T (2009): The Adequacy of Complimentary Feeding Practices among Children Underfives years attending Thika District hospital.

AWARDS:

2007: Deutch Akademischer Austauschdienst (DAAD). Scholarship to pursue Ph.D studies at the University of Nairobi.

2001 and 2003: Gandhi Smarak Nidhi Fund: Scholarship to pursue Master of Science Degree in Applied Human Nutrition, University of Nairobi.

GRANTS

2016-2026: Legumes in Nutrition and Health, Project Leader. A project funded by VLIR-UOS to undertake nutrition and health studies on Legumes in Kenya. The project is part of the Legume Centre of Excellence in Food and Nutrition Security (LCEFoNS) at Jomo Kenyatta University of Agriculture and Technology.

2008-2012: DAAD scholarship to undertake a PhD programme in Human Nutrition at the University of Nairobi

2003: Sight and Life: Research funds to conduct Research on “Consumption Patterns of Traditional Leafy Vegetables and their Contribution to Recommended Dietary Intakes of Vitamins A and C, and Iron in Kalama Division, Machakos District”

2003: International Plant Genetic Resources Institute (IPGRI). Research Funds for Laboratory analysis of the Vitamins A and C contents Traditional Leafy Vegetables commonly consumed in Machakos District.

MEMBERSHIP IN PROFESSIONAL BODIES

- 1) Registered Member, Kenya Nutritionists and Dieteticians Institute (KNDI)
- 2) Secretary, Kenya Inter-University Nutrition Task Force (KIUNTF)
- 3) Committee Member, Higher Education Network for Applied Human Nutrition (HENNA)
- 4) Member, National Obesity Working Group (MOH)
- 5) Member, Kenya Bureau of Standards Technical Committee on Health and Nutrition

LANGUAGES:

English: Very good, written and spoken.

Kiswahili: Very Good, written and spoken.

Kamba: Very good, written and spoken.

German: Fair, written and spoken.

REFEREES

1. Dr. Daniel Sila, PhD

Department of Food Science and Technology

Jomo Kenyatta University of Agriculture and Technology

P. O. Box 62000-00200,

Nairobi.

e-mail: (dndaka@hotmail.com)

2. Prof. Prisca Tuitoek, PhD

Department of Foods and Nutrition,

Egerton University,

P. O. Box 536, Njoro.

e-mail: ptuitoek@yahoo.com

3. Prof. Anselimo Makokha, PhD

Department of Food Science and Technology

Jomo Kenyatta University of Agriculture and Technology

P. O. Box 62000-00200, Nairobi.

e-mail: anmakokha@yahoo.com

Signed:



09/01/2019