

# AGATHA CHRISTINE ONYANGO

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## EDUCATION

- 2008 - 2012: PhD Community Nutrition and Development - Maseno University, Kenya
- 2004 - 2007: Master of Science, Community Nutrition and Development - Maseno University
- 1987 -1990: Bachelor of Education, Home Economics (Hons) - Kenyatta University, Kenya
- 1985 -1986: Ngara Girls High School, Nairobi - A level education
- 1981 -1984: Pangani Girls High School, Nairobi - O level education
- 1974 -1980: Nairobi South Primary School, Nairobi - Primary education

## RESEARCH EXPERIENCE

- **Co-investigator** in a collaborative research between George Mason University and Maseno University on Feasibility of Utilizing Mobile Phones for Nutrition and Agriculture Education among Smallholder Farmer Households in Seme Sub-County, Kenya. (upcoming 2020).
- **Principal Investigator** - National Research Fund grant in Maseno University on Development and testing of staple-vegetable blends based on neglected and underutilized species for human nutritional sufficiency and functional ecosystem services among households in Western Kenya. (upcoming 2020)
- **Co-investigator** in a collaborative research between George Mason University and Maseno University on Fostering Broader Participation in STEM and Food Security through the Promotion of Indigenous and Traditional Foods in Rural Kenya. (upcoming 2020).
- **Co-investigator** in a collaborative research between George Mason University and Maseno University on Determinants of Childhood Obesity in Kenya. (May-June 2019)
- **Co-investigator** in a collaborative research between George Mason University and Maseno University on Indigenous foods and food security in Seme Sub-County, Kenya, December 2016 to June 2017.
- **PhD thesis** - Assessment of Nutrition, Infections and Immune Factors in HIV Sero-positive Patients in the AMPATH Clinic at Chulaimbo Sub-District Hospital, Kisumu West District, Kenya.
- **MSc thesis** - Effects of HIV and AIDS on Household Food Security in Kisumu East District, Kenya
- Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) project: Improve sustainably food security and nutrition for 8,700 women of reproductive age (15-49) and 1,800 young children (6-36 months) in Turkana and Masabit Counties: As a **Nutrition expert** from February – March 2020.
- National Adolescent Survey 2019: As a **Nutrition expert** in 2019 in Kenya.
- Feed The Future: Anthropometrics assessment of children under five years and mothers of reproductive age in Kenya: As a **Nutrition expert** held from February to May 2019 in selected counties in Kenya.
- PSI Kenya: Evaluation on use of Education through Listening (ETL) behaviour change communication tool: As a **Key informant interviewer** held from 29<sup>th</sup> January to 6<sup>th</sup> February 2012 in Nyanza Province, Kenya.

- FAO: Assistance to Vulnerable Groups in Fishing Communities Affected by HIV/AIDS in the Lake Victoria Region – Bondo District, Kenya: As *lead nutritionist* held from May 28<sup>th</sup> to 2<sup>nd</sup> June 2007.

## **TEACHING EXPERIENCE**

- 2019: Senior Lecturer, Department of Nutrition and Health, School of Public Health and Community Development, Maseno University
- 2012: Lecturer, Department of Nutrition and Health, School of Public Health and Community Development, Maseno University
- 2008: Assistant Lecturer, Department of Nutrition and Health, School of Public Health and Community Development, Maseno University
- 2002: Principal Lecturer, Department of Institutional Management, The Kisumu National Polytechnic, Kisumu
- 1994: Teacher, Department of Home Science, Utumishi Boys Academy, Gilgil
- 1992: Teacher, Afraha High School, Nakuru

## **HONORS AND AWARDS**

- VLIR-UOS Belgium grant (short training initiative or STI) for Short Courses on Quality Assurance and Quality Control Training, 22<sup>nd</sup> - 28<sup>th</sup> May 2016 in Kampala, Uganda.
- Fellowship grant: the Netherlands Fellowship Program (NFP) of the Netherlands Government for Short Courses (10<sup>th</sup> – 20<sup>th</sup> March 2015) for African Nutrition Leadership Program (ANLP) in Potchefstroom, South Africa.

## **PROFESSIONAL MEMBERSHIP**

- Agriculture Nutrition and Health Academy (ANH)
- Kenya Nutritionists and Dieticians Institute (KNDI)
- Member of Centre for Nutrition, Education and Research (CENER)
- Member of the African Graduate Students Network (AGSNET)
- Member of the Kisumu County Electronic Medical Records Task Force
- Member of the Kisumu County Nutrition Technical Working Group Committee

## **SKILLS AND TRAINING**

- Agriculture Nutrition Health Academy (ANH) Training on Affordability of Nutritious Diets, Food Assessing food environments for healthy diets, Understanding drivers of food choice in changing food environments of low- and middle-income countries to inform program and policy and Strengthening Economic Evaluation of Multisectoral approaches for Nutrition (SEEMS-Nutrition), 23<sup>rd</sup> to 25<sup>th</sup> June 2020.
- Collaborative Institutional Training Initiative (CITI) Program, 28<sup>th</sup> February 2019.
- Attended the Human Resource for Health (HRH) Kenya Mechanism Curriculum Updates workshop held in Nakuru from 22<sup>nd</sup> to 25<sup>th</sup> May 2018.
- Attended the Regional Consultative Workshops on Development of the regional In-service nutrition training package and Regional Pre service Model Curricula for front line workers in Kenya, Uganda and Tanzania; 20<sup>th</sup> to 24<sup>th</sup> March 2017, Dar es Salaam, Tanzania.
- Attended the Regional Consultative Workshops on Development of the regional In-service nutrition training package and Regional Pre-service Model Curricula for front line workers in Kenya, Uganda and Tanzania; 27<sup>th</sup> to 30<sup>th</sup> September 2016, Dar es Salaam, Tanzania.
- Attended Training Workshop on Quality Assurance and Quality Control for Flour

Fortification, organized by Ghent University (Belgium), VLIR-UOS and Smarter Futures at Makerere University, Kampala, Uganda, 22<sup>nd</sup> to 28<sup>th</sup> May 2016.

- Attended Training Workshop on Education for Effective Nutrition in Action (ENACT), organized by Food and Agriculture Organization at Safari Park Hotel, Nairobi, Kenya, 29<sup>th</sup> June to 3<sup>rd</sup> July 2015.
- Attended Training Workshop on 13<sup>th</sup> African Nutrition Leadership Programme (ANLP), organized by North-West University (as local organising partner) and Wageningen University, The Netherlands at Elgro River Lodge District Potchefstroom, South Africa, 10<sup>th</sup> to 20<sup>th</sup> March 2015.
- Attended training of Trainers in Teaching Methodologies and Curriculum Development organized by FUNZO Kenya at MUUST, Kakamega, September 15<sup>th</sup> to 19<sup>th</sup>, 2014.
- Attended training of Trainers in Innovative Teaching Methodologies and Clinical Mentorship organized by Partnership for Advanced Clinical Education (PACE) Project held at Sirikwa Hotel, Eldoret, September 16<sup>th</sup> to 20<sup>th</sup>, 2013.
- Attended a training of Trainers on Infant and Young Child Feeding (IYCF) organized by FUNZO Kenya and Ministry of Health held at Milele hotel Nairobi, Kenya from 22<sup>nd</sup> to 27<sup>th</sup> April, 2013.
- Attended a National Nutrition Standardization Workshop organised by Kenya Bureau of Standards held at Red Court Hotel, Nairobi on 7<sup>th</sup> October, 2011.
- Attended training on Integrated Management of Acute Malnutrition (IMAM) organized by Concern Worldwide in conjunction with Kisumu East District Hospital and held at Triple Trojan hotel Kisumu, Kenya from 22<sup>nd</sup> August to 26<sup>th</sup> August 2011.
- Attended a Nutrition and Dietetics Stakeholders Consultative Workshop organised by Masinde Muliro University of Science and Technology Kenya (MUUST) at Main Catering Unit MUUST, Kakamega on 18<sup>th</sup> August, 2011.
- Attended a training on Infant and Young Child Feeding (IYCF) in the context of HIV/AIDS organized by UNICEF and held at Marsh Park hotel Kisii, Kenya from 29<sup>th</sup> September to 5<sup>th</sup> October 2009.
- Attended the DAAD PhD Proposal workshop held at ICIPE Nairobi, Kenya on 24<sup>th</sup> April 2009.
- Was a facilitator in Food Environment Assessment Training organized by Johns Hopkins Bloomberg School of Nursing at Maseno University Kisumu Campus 29<sup>th</sup> to 31<sup>st</sup> May, 2019.
- Was a facilitator in Trainer of Trainees Cascade training (Faculty Development Workshop) organized by FUNZO Kenya at The VIC Hotel, Kisumu between 3<sup>rd</sup> to 7<sup>th</sup> August, 2015.
- Was the lead facilitator in the Infant and Young Child Feeding training for health professionals held at Hillside Hotel, Kisumu between 11<sup>th</sup> to 15<sup>th</sup> November 2013
- Was the lead facilitator in the Infant and Young Child Feeding training for health professionals held at Bluu Nile Hotel, Kisii between 2<sup>nd</sup> to 6<sup>th</sup> September 2013.
- Was the lead facilitator in the Nutrition and HIV training for health professionals held at Kisumu Hotel, Kisumu, Kenya between 7<sup>th</sup> to 11<sup>th</sup> April 2008.
- Attended training on Nutrition Communication Organized by Centre for Nutrition Education and Research (CENER) held in FAWE House, Nairobi, Kenya 15<sup>th</sup> September, 2007.
- Attended training on Diabetes and Weight Management Organized by Centre for Nutrition Education and Research (CENER) held in FAWE House, Nairobi, Kenya from 13<sup>th</sup> to 14<sup>th</sup> July, 2007.
- Attended training on Service Providers in Nutrition in Food by Prescription organized by Centre for Nutrition Education and Research (CENER) held in Kisumu Hotel, Kisumu, Kenya on 13<sup>th</sup> November, 2006.

- Attended training on Service Providers in Nutrition and HIV and AIDS in Comprehensive Care organized by Centre for Nutrition Education and Research (CENER) held in Kisumu Hotel, Kisumu, Kenya from 24<sup>th</sup> to 27<sup>th</sup> July, 2006.
- Attended training on Service Providers in Nutrition Growth and Children organized by Centre for Nutrition Education and Research (CENER) held in Nairobi Hospital, Nairobi, Kenya 14<sup>th</sup> to 15<sup>th</sup> July, 2006.
- Attended training on Best Practices in Nutrition Management in HIV and AIDS in Comprehensive Care organized by Centre for Nutrition Education and Research (CENER) held in Kisumu Hotel, Kisumu, Kenya 7<sup>th</sup> to 8<sup>th</sup> April, 2006.
- Attended training on Obesity and Diabetes organized by Centre for Nutrition Education and Research (CENER) held in Nairobi Hospital, Nairobi, Kenya on 5<sup>th</sup> November, 2005.
- Attended training on Micronutrients from Food or Supplements? organized by Centre for Nutrition Education and Research (CENER) held in Nairobi Hospital, Nairobi, Kenya on 6<sup>th</sup> August, 2005.

## **LEADERSHIP EXPERIENCE**

- 2014 to date: Chairperson, Department of Nutrition and Health, Maseno University
- 2012 to 2014: Faculty Examination Coordinator, School of Public Health and Community Development
- 2014 to date: Coordination of the Finnish and Maseno University collaboration in the School of Public Health and Community Development.
- 2014 to date: Kenya Nutritionists and Dietitians Institute (KNDI), Faculty member.
- 2010 to date: Volunteer project officer at Research Science and Technology Centre (RESTECH).
- 2008 to date: Coordinating nutrition and research activities in the Western region on behalf of Centre for Nutrition Education and Research (CENER).

## **CONFERENCES AND WORKSHOPS**

- Presented a paper at the sixth International conference on Nutrition and Growth held in Valencia, Spain, (7<sup>th</sup> - 9<sup>th</sup> March 2019)
- Presented a paper at the first International Nutrition and Dietetics Scientific Conference on Current Issues in Foods, Nutrition and Dietetics held in Pwani University, Kilifi, Kenya, (21<sup>st</sup> - 25<sup>th</sup> May 2018)
- Presented a paper at the Fourth Annual Summit on Global Food Security and Health in November 15, 2017 held at George Mason University's Schar School of Policy and Government in Arlington, Virginia.
- Presented a paper at the International Week (Family Nursing and Cultural Diversity of Nursing) at Hameenlinna University of Applied Sciences International, Hameenlinna - Finland (21<sup>st</sup> - 30<sup>th</sup> November, 2016).
- Presented a paper at the Health Africa Development Cooperation (HADCO) North-South Health Project International Workshop on Evidence based Community Health Care Supported by e-Learning at Kisumu Hotel, Kisumu - Kenya (12<sup>th</sup> - 18<sup>th</sup> October 2014).
- Presented a paper at the International Week (Family Nursing and Cultural Diversity of Nursing) at Tampere University of Applied Sciences International, Tampere - Finland (21<sup>st</sup> - 24<sup>th</sup> May 2013)
- Presented a paper at the Health Africa Development Cooperation (HADCO) North-South Health Project International Workshop on Culturally Appropriate Health Care IV - at International Landmark International Hotel, Kampala - Uganda (22<sup>nd</sup> - 26<sup>th</sup> October 2012)

- Presented a paper at the Health Africa Development Cooperation (HADCO) North-South Health Project International Workshop on Culturally Appropriate Health Care III – Kisumu - Kenya (25<sup>th</sup> - 28<sup>th</sup> October 2010)
- Presented a paper at the Health Africa Development Cooperation (HADCO) North-South Health Project International Workshop on Culturally Appropriate Health Care II, Kisumu - Kenya (27<sup>th</sup> - 1<sup>st</sup> May 2009)
- Presented a paper at the UNICEF - Nutrition Research Symposium held in at Panafric hotel, Nairobi, Kenya from 29<sup>th</sup> - 30<sup>th</sup> June 2009.
- Presented a paper at the Uganda Nutrition Congress held in Kampala, Uganda from 19<sup>th</sup> - 20<sup>th</sup> February 2009.
- Presented a paper at the European Nutrition Conference held in Paris, France from 10<sup>th</sup> - 13<sup>th</sup> July 2007.
- Presented a paper at the 1<sup>st</sup> Nutrition Congress held in Oslo, Norway from 26<sup>th</sup> - 28<sup>th</sup> June 2007.
- Presented a paper at the Regional Workshop on Nutrition and HIV/AIDS held at Kisumu hotel, Kisumu, Kenya from 6<sup>th</sup> - 7<sup>th</sup> April, 2006.
- Presented a paper at the Regional Conference on Millennium Development Goals held at Kenya School of Monetary Studies in Nairobi, Kenya on 14<sup>th</sup> - 18<sup>th</sup> November 2005.

## PUBLICATIONS

1. Juma R.J., **Onyango A.C.** and Ouma C. (2020). The Role of Trace Minerals in Depression: A Review of Selenium Iron and Copper. *EC Nutrition* 15.3 (2020): 01-06.
2. Mutwika L.K, **Onyango A.C.** and Okeyo D.O. (2019). Socio-Demographic Determinants of Birth Weight Status of Babies Born at Jaramogi Oginga Odinga Teaching and Referral Hospital, Kenya. *Journal of Pharmaceutical and Biomedical Sciences*, 9(3): 1-7.
3. Gewa C.A., **Onyango A.C.**, Angano FO., Stabile B., Komwa M., Thomas P. & Krall J. (2019). Mothers' beliefs about Indigenous and Traditional Food Affordability, Availability and Taste are Significant Predictors of Indigenous and Traditional Food Consumption among Mothers and Young Children in Rural Kenya. *Public Health Nutrition*. doi:10.1017/S1368980019001848.
4. Tonui K.K, Njogu E. and **Onyango A.C.** (2018): Dietary intake of HIV-seropositive clients attending Longisa County Hospital Comprehensive Care Clinic, Bomet County, Kenya. *South African Journal of Clinical Nutrition* 2018: 1–5.
5. Tonui K.K, **Onyango A.C.** and Njogu E. (2018): Household Food Security and Nutritional status of HIV Sero-positive Patients in Longisa County Hospital, Kenya. *Journal of Nutrition and dietetics* 2018: 2(1): 33-41 ISSN 2415-5195.
6. Anab E., **Onyango A.C.**, and Mwenda C. (2018). Caregiver's Knowledge and Attitude Regarding Care of Schizophrenia at Mathari Teaching and Referral Hospital, Kenya. *American Journal of Psychiatry and Neuroscience* ISSN: 2330-426; 6(1): 15-27.
7. Migori County, Kenya. *EC Nutrition* 11.4 (2017): 134-141.
8. Ondicho Z.M., Omondi D.O., **Onyango A.C.** (2017). Self-Perceived Body Weight Status among Health Care Workers in Kisumu, Kenya. *Journal of Nutrition and Dietetics*, ISSN 2415-5195 Vol 1, Issue 1, 2017.
9. Ondicho Z.M., Omondi D.O., **Onyango A.C.** (2016). Prevalence and Socio-demographic Factors Associated with Overweight and Obesity among Healthcare Workers in Kisumu East Sub-County, Kenya. *American Journal of Medicine and Medical Sciences* 2016, 6(3): 66-72
10. **Onyango A.C.** Walingo M.K., Mbagaya G.M., and Kakai R. (2015). Nutrient Intake and Immune Status among HIV Sero-positive Patients attending Comprehensive Care Clinic at

- Chulaimbo Sub-District Hospital, Kenya. *Journal of Food and Nutrition Sciences*. Vol. 3, No. 6, 2015, pp. 209-215.
11. **Onyango A.C.** and Walingo M. K. (2014). Dietary Compliance among Diabetes Patients attending Clinic at New Nyanza Provincial General Hospital, Kenya. *Nigeria Journal of Nutritional Sciences*, Volume 35, No. 2.
  12. **Onyango A.C.** Walingo M.K., Mbagaya G.M., and Kakai R. (2014). Nutrient Intake, Nutrient Status and Pattern of Infections in HIV Sero-Positive Patients in Chulaimbo Sub-District Hospital, Kenya, *Journal of Food and Nutrition Sciences*. Vol. 2, No. 4, 2014, pp. 117-123. doi: 10.11648/j.jfns.20140204.14.
  13. **Onyango A.C.** Walingo M.K., Mbagaya G.M., and Kakai R. (2012). Assessing Nutrient Intake and Nutrient Status of HIV Sero-positive Patients attending Clinic at Chulaimbo Sub-District Hospital, Kenya. *Journal of Nutrition and Metabolism*, Volume 2012, Article ID 306530, doi:10.1155/2012/306530.
  14. **Onyango A.C.** Walingo M.K., Mbagaya G.M., and Kakai R. (2011). Body Composition and CD4 Cell Count of HIV Sero-Positive Adults Attending Out-Patient Clinic in Chulaimbo Sub-District Hospital, Kenya. *Pakistan Journal of Nutrition* 10 (6): 582-588.
  15. **Onyango A.C.** Walingo M.K., Mbagaya G.M., and Kakai R. (2011). Anthropometric and Dietary Profile of HIV Sero-positive Patients in Chulaimbo Sub-district, Kenya. *Journal of Pharmaceutical and Biomedical Sciences*, 1(3): 34 - 44.
  16. **Onyango A.C.** Walingo M.K., Othoun L. (2010). Expenditure Patterns on Food and Non-food items in Affected and Non-Affected Households in Kisumu District, Kenya. *African Journal of Food Agriculture and Development*, Volume 10 No. 4.
  17. **Onyango A.C.** (2010). Effects of HIV/AIDS on Household Food Security in East Kolwa, location, Kisumu District. (published by LAP Lambert Academic Publishing AG & Co. KG, project number 9123, and ISBN 978-3-8383-8716-1).
  18. **Onyango A.C.** Walingo M.K., Othoun L. (2009). Food Consumption Patterns, Diversity of Food Nutrients and Mean Nutrient Intake in Relation to HIV/AIDS Status in Kisumu District, Kenya. *African Journal of AIDS Research*, 8 (3): 371 – 379.

### Affordability of Nutritious Diets

Understanding drivers of food choice in changing food environments of low- and middle-income countries to inform program and policy

Assessing food environments for healthy diets

Strengthening Economic Evaluation of Multisectoral approaches for Nutrition (SEEMS-Nutrition)

Agriculture Nutrition Health Academy (ANH) Training on Affordability of Nutritious Diets, Food Assessing food environments for healthy diets, Understanding drivers of food choice in changing food environments of low- and middle-income countries to inform program and policy and Strengthening Economic Evaluation of Multisectoral approaches for Nutrition (SEEMS-Nutrition), June 2020.