

CURRICULUM VITAE

PERSONAL INFORMATION

NAME : MAXIMILA N. WANZALA
GENDER : FEMALE
CONTACT ADDRESS : Masinde Muliro University of Science and Technology
BOX 190 KAKAMEGA
Email: mwanzala@mmust.ac.ke
RELIGION : CHRISTIAN
NATIONALITY : KENYAN
HOME DISTRICT : BUSIA
LANGUAGES : ENGLISH, KISWAHILI, TESO AND LUHYA

EDUCATIONAL BACKGROUND

2015 - 2018: (PhD) Doctor of philosophy in Public Health-(Health Systems Management)
Masinde Muliro University of Science and Technology (MMUST).
2013 - 2014: UNIVERSITY COLLEGE OF LONDON (IOE)-Scholarship award
Post Graduate Diploma in Education, Health Promotion and International Development (PGDEHPID)
2010 - 2012: GREAT LAKES UNIVERSITY OF KISUMU (GLUK)
(M.Ch. D) Masters in community health and development
ELECTIVE COURSES DONE: 1. Project cycle management
2006 -2007: MASENO UNIVERSITY
Post Graduate Diploma in Education (PGDE)
1999 - 2004: MASENO UNIVERSITY
BSc (Biomedical Science and Technology-Laboratory Medicine)
Degree awarded-Second Class Honors Lower Division
1995 - 1998: MACHAKOS GIRLS HIGH SCHOOL
1991 - 1992: MUSOLI GIRLS BOARDING PRIMARY
1984 - 1990: ARYA PRIMARY – KISUMU

PERSONAL INTERESTS

Research activities: reading recent scientific publications, attending scientific seminars and conferences, teaching and participation in community activities.

INTERNATIONAL MEETINGS, TRAININGS AND CONFERENCES

- 2019 October 14th-16th October, 2019 at the Golf Course Hotel, Kampala, Uganda.
- 2016 October:** 2nd UNIVEN-WSU INTERNATIONAL RESEARCH CONFERENCE,
South Africa
- 2017 September:** CBEC-KEMRI RESEARCH ETHICS CERTIFICATE TRAINING
- 2019 July:** CBEC-KEMRI RESEARCH METHODOLOGY CERTIFICATE
COURSE

PEER-REVIEWED PUBLICATIONS:

a) Refereed Journal Publications before Appointment as Lecturer

1. ¹**Wanzala M**, ²Makotsi Nicholas (2016) ‘Community Led Total Sanitation to Reduce Household Diarrhea Morbidity in Nyando District’ Research on Humanities and Social Sciences www.iiste.orgISSN 2224-5766(Paper) ISSN 2225-0484 (Online)Vol.6, No.22, 2016.
2. ¹**Wanzala M**, (2016) “Critical Review: The Role of Mixed Methods in Education Research” Research on Humanities and Social Sciences www.iiste.orgISSN 2224-5766(Paper) ISSN 2225-0484 (Online)Vol.6, No.22, 2016.
3. ¹**Maximila Wanzala** and ²Maurice B. Silali “Factors Influencing Prevention of Tungiasis Infestation in Tshiatsala Division of Butere Sub County – Kenya” SMU Medical journal- ISSN: 2349 – 1604 (Volume – 3, No. 1, **January 2016**) Research article
4. Maurice B. Silali¹, **Maximila Wanzala**², Denis O. Owino³, Faith Muhonja⁴ “Techniques and Influence of Socio-cultural Factors among ARVs Forces Community in Seeking Healthcare” SMU Medical journal- ISSN: 2349 – 1604 (Volume – 3, No. 1, **January 2016**) Research article
5. ¹**Wanzala M**, ²Kaseje D.C.O, ³Ochieng B.M, and ⁴Wafula.C. O (2013) “Cost Analysis of Community Health Strategy Implementation: Case Study of Butere District, Kenya” Research on Humanities and Social Sciences www.iiste.orgISSN 2222-1719 (Paper) ISSN 2222-2863 (Online)Vol.3, No.3, 2013 95

b) Refereed Journals Papers since Appointment to Lecturer Position

1. **Maximilla N. Wanzala**, Vincent Were, J.A Oloo, Gordon Nguka. (2019). Assessing Capacity and Performance of Health Systems Using Principal Component Analysis: Results from Cross Sectional Survey in Kakamega County, Western Kenya. *Journal of Health, Medicine and Nursing*,59,10-18. DOI: 10.7176/JHMN
2. **Maximilla N. Wanzala**, J. A Oloo, Gordon Nguka, and Vincent Were, “Application of Principal Component Analysis to Assess Health Systems Capacity Using Cross Sectional Data in Rural Western Kenya.” *American Journal of Public Health Research*, vol. 7, no. 1 (2019): 27-32. doi: 10.12691/ajphr-7-1-5
3. Oloo Micky Olutende, **Maximilla N. Wanzala**, and Issah Wabuyabo Kweyu. (2019). “Exercise prescription: a structural equation analysis of the theory of planned behavior among Kenyan healthcare professionals.” *European Journal of Physical Education and Sport Science*, vol. 5, no. 6: 14-28. DOI: <http://dx.doi.org/10.5281/zenodo.2579410>
4. Oloo Micky Olutende, **Maximilla N. Wanzala**, Issah Wabuyabo Kweyu and Anthony Wangui Muchiri (2019). “academic self-efficacy, attitudes, and knowledge among undergraduate biostatistics students”. *European Journals of Education Studies*. Vol 5, no.12: 212-224. <http://dx.doi.org/10.5281/zenodo.2609193>
5. Oloo Micky Olutende, Anthony Wangui Muchiri, **Maximilla N. Wanzala** and Edwin Kadima Wamukoya (2019). “concussion knowledge and attitudes among sub elite rugby union players in western Kenya”. *European Journal of Public Health Studies*. Vol 1, no. 2: 25-42. <http://dx.doi: 10.5281/zenodo.2652952>.
6. Oloo Micky Olutende, **Maximilla N. Wanzala**, Anthony Wangui Muchiri and Edwin Kadima Wamukoya. (2019). “Comparative Study of Anthropometrics, Blood Pressure Phenotypes, and Bio-motor Variables Among Sports and Non-Sports University Students.” *European Journal of Physical Education and Sport Science*, vol. 5, no. 6: 14-28. DOI: <http://dx.doi: 10.5281/zenodo.3235813>
7. Anthony Muchiri Wangui, **Maximilla N. Wanzala**, Oloo Micky Olutende and Edwin Kadima Wamukoya. (2019). “Assessment of Pre-Season Anthropometric Tests of Rugby Players In A Championship Club, Kenyan Rugby Union.” *European Journal of Physical Education and Sport Science*, vol. 5, no. 10: 67-83. <http://dx.doi:10.5281/zenodo.3265922>
8. Oloo Micky Olutende, **Maximilla N. Wanzala**, Anthony Muchiri Wangui and Edwin Kadima Wamukoya. (2019). “Prognostic validity of morphological, physiological and motor characteristics in classifying university athletes in different sports.” *International*

Journal of Physical Education, Sports and Health 2019; 6(4): 38-44
<http://www.kheljournal.com/archives/?year=2019&vol=6&issue=4&part=A>

9. **Maximilla N. Wanzala** & Oloo Micky Olutende. (2019). "Role of Devolution in Health Service Delivery, Health Workforce and Medical Commodities Acquisition: A Review." *Saudi Journal of Medicine*, vol. 5, no. 10: 497-509.
<http://dx.doi:10.21276/sjm.2019.4.7.4>
10. **Maximilla N. Wanzala** & Oloo Micky Olutende. (2019). "A Review of Health Financing and Information Systems: The Role of Devolved Governance." *Saudi Journal of Nursing and Health Care*, 238-250. <http://dx.doi:10.21276/sjnhc.2019.2.7.3>
11. Micky Olutende Oloo, Edwin Kadima Wamukoya & **Maximila Wanzala**(2020) "Efficacy Of Physical Activity Counselling Interventions Delivered In Primary Care: A Systematic Review And Meta-Analysis" *European Journal of Physical Education and Sport Science* vol.6 no.7 <http://dx.doi.org/10.5281/zenodo.3864522>
12. Wekesa Andrew & **Wanzala Maximila** (2020) "Effects of Home-Based Convergence Insufficiency Vision Therapy on Accommodation among School Going Children" *International Journal of Medical Science and Clinical Invention*, 7(6): 4848-4853, 2020
13. Margaret Kaseje, **Maximila Wanzala** and Christopher Onyango (2020) 'Cost variations in the Implementation of the Community Health Strategy by Socio-economic setting in Kenya' *Journal of Social Sciences and Humanities* vol.6 no.4 340-346
14. Concilia Magaya Ogombo, **Maximila Wanzala** and Tom Were (2021) 'Community attitude and practice towards skin disease prevention in a rural community in Busia County' *International Journal of Community Medicine and Public Health* 8(6):2718
15. Micky Olutende Oloo, Elizabeth Mse, Edwin K Wamukoya and **Maximila Wanzala**(2021) 'Health promotion behaviour for non-communicable diseases among healthcare workers in Kakamega county' *European journal of physical education and sports science* vol. 6, no. 12: 107-136
16. Micky Olutende Oloo, Edwin K Wamukoya, Issah Kweyu and **Maximila Wanzala**(2021) 'Predictors of Occupational Health and Safety Management practices in

the Building Construction Industry, Kakamega Kenya' *Journal of Nursing and Health Science* Vol. 10, Issue 2 PP 43-57 www.iosrjournals.org

17. Micky Olutende Oloo, Edwin K Wamukoya, Issah Kweyu and **Maximila Wanzala** (2021) 'Risk Factors for Obesity among School Aged Children in Kakamega County'
18. Micky Olutende Oloo, Elizabeth Mse, Edwin K Wamukoya and Maximila Wanzala (2021) 'The influence of socio-economic deprivation on multi-morbidity: a systematic review' *European journal of physical education and sports science* vol. 6, no. 12: 107-13
19. Concilia Magaya Ogombo, **Maximila Wanzala** and Tom Were (2021) 'Assessment of Tinea Capitis' Exposure, Knowledge and Preventive Behavior among Residents of Teso South Sub County, Busia County' *World Journal of Innovative Research* ISSN: 2454-8236, Volume-10, Issue-1
20. Maurice Barasa silali and **Maximila Wanzala** (2021) 'Health Determinants of Safe Infection Prevention Control of COVID 19 Deaths to enable safe Disposal and Cadavers Dissection as Distinct Educational Tools in Western Kenya' *International journal of public health and epidemiology research* vol. 7 no.1:199-213
21. Rose Nyang'au, Tom Were, **Maximila Wanzala** (2021) Male Partner Involvement in Promoting Antenatal Care and Skilled Delivery Attendance in Bumula Sub-County, Kenya *European Journal of Medical and Health Sciences* 3(5):43-51 DOI: 10.24018/ejmed.2021.3.5.978
22. David Nandebe Wafula, Bernard Wesonga, **Maximilla Wanzala**, Nathan Shaviya, and Rose A. M. Nyang'au (2022) 'Variation between Initial and Final Diagnosis as A Predictor of Adverse Obstetric Outcome among Post-Natal Women at Bungoma Hospitals, Kenya' *European Journal of Medical and Health Sciences* 4(1):5-10 Follow journal DOI: 10.24018/ejmed.2022.4.1.1170
23. Lucy Namusonge **Maximila Wanzala** Edwin K Wamukoya (2022) 'Assessment of Women's Experience of Care during Childbirth for Quality Improvement at Level 5 Health Facilities in Bungoma County, Kenya' DOI: 10.37284/eajhs.5.1.521

Book chapter

1. Maurice Barasa Silali, **Maximila Wanzala** 'Health Determinants on Sustainable Alternative Primary Prevention against COVID-19 and Dead Uptakes as Cadavers' Distinct Medical Educational Tools in Western Kenya' (2021)

STUDENTS SUPERVISION TO COMPLETION

1. **ANDREW WEKESA-HOV/G/01-55815/2016**
EFFECTS OF VISION THERAPIES ON ACCOMMODATION IN PATIENTS WITH CONVERGENCE INSUFFICIENCY ATTENDING MASINDE MULIRO UNIVERSITY ACADEMIC VISION CENTRE, KENYA
(Masters of Science in Optometry And Vision Science)

2. **CONCILIA MAGAYA OGOMBO-HPH/G/01-55071/2017-**
KNOWLEDGE, ATTITUDE AND PRACTICES OF SKIN DISEASES PREVENTION AMONG RESIDENCE OF TESO SOUTH SUB-COUNTY, BUSIA COUNTY
(Masters of Public Health)

3. **ROSE A. M NYANG'AU HPH/G/05/2015**
PREDICTORS OF MALE PARTNER INVOLVEMENT IN PROMOTING ANTENATAL CARE AND SKILLED DELIVERY ATTENDANCE IN BUMULA SUB-COUNTY IN BUNGOMA COUNTY(Masters of Public Health)

4. **WAFULA N. DAVID-HPH/G/01-56211/2016**
DIAGNOSTIC ERRORS AS PREDICTORS OF OBSTETRIC OUTCOMES AMONG POSTNATAL MOTHERS IN BUNGOMA COUNTY(Masters of Public Health)

5. **JEDIDAH ANUSU.O. KWEYA**
Clinical performance of diploma nursing students in Kenya Medical Training Colleges in Western Kenya(Masters of Public Health)

JOURNAL REVIEWER

2019: Peer Reviewer "*The East African Health Research Journal*"

THESIS EXERMINED

MOI UNIVERSITY THESIS EXTERNAL EXAMINER

2019 - External Examiner- Master's Thesis- **Stephen Karuru Maina** – Moi University

2019 - External Examiner- Master's Thesis- **Lawrence Otieno Auma**– Great Lakes University of Kisumu (GLUK)

2019 - External Examiner- Master's Thesis- **Margaret Auma Osadho** – Great Lakes University of Kisumu (GLUK)

2019 - External Examiner- Master's Thesis- **Kevin Oria**– Great Lakes University of Kisumu (GLUK)

2019 - External Examiner- Master's Thesis- **Grace Auma Ochola**– Great Lakes University of Kisumu (GLUK)

2019 - External Examiner- Master's Thesis- **Munyeti Valerie M.**– Great Lakes University of Kisumu (GLUK)

2019 - External Examiner- Master's Thesis- **Lilian Aluoch Opiyo** – Great Lakes University of Kisumu (GLUK)

2020-External Examiner-Masters Thesis-**EUNICE MITHEU MCHD/09-J/23**– Great Lakes University of Kisumu (GLUK)

Determinants of post-traumatic stress disorder among post abortive women at Nakuru level five Referral Hospital, Nakuru County, Kenya.

2020-External Examiner-Masters Thesis-**SANDIFIN AYIENDA NO: M15/J05/2016**– Great Lakes University of Kisumu (GLUK)

Factors influencing client satisfaction for maternal child health services at Mumias model health centre, Kakamega County

2020-External Examiner-Masters Thesis-**PAULINE MWOLOLO**

M12/J-06/16– Great Lakes University of Kisumu (GLUK) Factors Influencing Adherence to Antiretroviral Therapy among HIV Infected Children in Lea Toto Clinic, Kibera

2020-External Examiner-Masters Thesis-**SILAS SYLVESTER WAKULWA**

M15/S-01/2015– Great Lakes University of Kisumu (GLUK) Factors Associated with Self Care Among Stroke Survivors at Kenyatta National Hospital

WORK EXPERIENCE

September 2018 to date: Masinde Muliro University of Science and Technology

- Lecturer School of Public Health Biomedical Science &Technology
- Chair of Department-Public Health

September 2015 TO date: Masinde Muliro University of Science and Technology – Tutorial Fellow (Public Health department) School of Public Health Biomedical Science &Technology

Administrative Responsibilities at MMUST

2018 – Chair of department Public health department

2018- Bioethics listing committee member.

September 2010 TO August 2015: Great Lakes University of Kisumu (Tropical Institute of Community Health)

•**Assistant Lecturer TICH Academic coordinator for undergraduate:** Bachelors and Diploma in community health and development program.

- Kakamega County coordinator for Community college certificate course
- Lecturer TICH Department (Department of Combating Ill Health)

Graduate Assistant (GA): Consortium for National Health Research (CNHR)/African Health Systems Initiative (AHSI)

Research assistant: Duties: -

- Collecting data
- File the collected data
- Field logistics
- Data transcription
- Writing field reports
- Planning (logistics)for both updates and validation
- Conducting updates
- Supervising validation exercises
- Training data collectors in validation
- Prepared field logistics
- Coordinating Community Based Organization activities
- Training of Community health Workers (CHWs)

APRIL 2013: Coordinated Western Service Availability Readiness Mapping (SARAM).

This was a World Health Organization exercise on behalf of the Ministries of Health which sent out invitation to eligible organizations for Expression of Interest (EOI) for the Kenya Service Availability and Readiness Assessment Mapping (SARAM) in all health care facilities (public, private for profit and private not for profit) nationally. Great Lakes University of Kisumu expressed interest and was selected as one of the firms to undertake this activity

FEBRUARY 2007 _AUGUST 2010 Intra Health International

Capacity Project Kenya

Responsibility: Research assistant (data entry using

EPI surveyor software,
Conducting focus group discussion,
Key informant interviews)

HIGHWAY HIGH SCHOOL

Biology /Chemistry teacher

MARCH 2005-FEB 2007 **KISUMU SOUTH ADVENTIST SEC. SCHOOL**

Biology/ Chemistry teacher

AUGUST 2004-MARCH 2005 MEGASCIENTIFIC SERVICES, KISUMU

Operations Manager

- Selling of company products
- Keeping records of sales and expenses of the company
- Customer care

SEPT 2003-AUGUST 2004: **KEMRI KISIAN – KISUMU**

CDC Microbiology/Immunology Laboratory

Culturing of stool for enteric bacteria study and
Concentration technique for parasite diagnosis

Clinical Laboratory:

Serological techniques; widal test, HIV test and VDRL test, smear preparation for malaria diagnosis, haematology techniques; HB estimation WBC & RBC count phlebotomy and staining technique.

CDC Entomology Laboratory

Identification of various malaria vector species, rearing of mosquitoes in the laboratory, dissecting and mounting of mosquito wings

MAY-AUGUST 2002 **NEW NYANZA PROVINCIAL HOSPITAL-KISUMU**

- Haematology, Parasitology, Histology, Biochemistry Microbiology, Blood transfusion center; blood grouping, cross match.

MAY 2000-DEC 2000 **WESTLANDS COTTAGE HOSPITAL LABORATORY**

- Laboratory; Haematology, Parasitology, Histology, Biochemistry, Microbiology, Blood transfusion center; blood grouping, crossmatch

MAY 2001-DEC 2001

NAIROBI BOTTLERS (COCA-COLA COMPANY)

Student Attachment Programme

- Laboratory quality control; water ph

DEC 1998-AUGUST 1999

SMITHKLINE BEECHAM INTERNATIONAL

CASUAL WORK

- Packing flour (factory)
- Recording of production

REFEREES

1. Prof Edwin Wamukoya
Masinde Muliro University of Science & Technology
Dean School of Public Health Biomedical Science & Technology
2. Prof James Aggrey Oloo
Masinde Muliro University of Science & Technology
Dean School of Medicine
3. Prof Dan Kaseje
Great Lakes University of Kisumu