

CURRICULUM VITAE
ESTHER WANJIKU MUITTA
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DETAILS:

Nationality: Kenyan; **Languages:** English and Kiswahili

CAREER OBJECTIVE:

To be able to make an effective impact in cancer research development, pre-cancer screening and service delivery, training, and community service within the field of health sciences in a bid to fulfill Kenya's Vision 2030 objective of health attainment to all citizens similarly encroached within the Sustainable Development Goals.

EDUCATION:

DECEMBER 2017 KENYATTA UNIVERSITY

Doctor of Philosophy (Ph.D. by Thesis) In Cytology

DECEMBER 2009 UNIVERSITY OF SUSSEX (UK)

Master of Science (MSc.) In Developmental Cell Biology

DECEMBER 2000 TECHNICAL UNIVERSITY OF KENYA

Higher Diploma in Medical Laboratory Science (TRANSFUSION SCIENCES)

DECEMBER 1996 TECHNICAL UNIVERSITY OF KENYA

Diploma in Medical Laboratory Science

DECEMBER 1992 ASSOCIATED COMPUTER SERVICES

CERTIFICATE IN MICROCOMPUTER OPERATIONS & DATA PROCESSING

DECEMBER 1991 PANGANI GIRLS SCHOOL

KENYA CERTIFICATE OF SECONDARY EDUCATION

DECEMBER 1987 KAREN 'C' PRIMARY

KENYA CERTIFICATE OF PRIMARY EDUCATION

WORK EXPERIENCE:

SEPTEMBER 2019 TO DATE: Muranga University of Technology

Full Time Lecturer: Department of Medical Laboratory Sciences.

- **Duties:** Teaching and instruction of post and undergraduate students in the theory concepts of clinical, health and biological sciences in addition to their practical aspects.
- Supervision and examination of both Masters and Doctorate academic research Theses.
- Co-drafting concepts/proposals for cancer research and grant funds out-sourcing.
- Coordination and implementation of teaching module/lecture unit loading and student curricular programme.
- Student mentorship and advisory in related academic matters.
- Student assessments in written examinations, practicals and laboratory hospital attachment.
- Continuous medical laboratory science Bachelors (Bsc.) curriculum review and crafting/development for Masters (Msc.) and Doctorate (PhD.) curriculum.
- Departmental student welfare and extra-curricular activities coordinator.

SEPTEMBER 2011-2019: Mount Kenya University

Associate Faculty: School of Medicine, Nursing and Pure-Applied Sciences.

- **Duties:** Training, instructing and examination assessment of undergraduate students.

JANUARY 2018- 2019: Kenyatta University

Associate Faculty: School of Medicine, Dept. of Medical Laboratory Sciences.

- **Duties:** Training, instructing and examination assessment of undergraduate students.

JAN.2007-AUG. 2008 and JAN. 2010-DEC. 2011: Technical University of Kenya

External Lecturer: Depts. of Medical Laboratory Sciences and Biochemistry.

- **Duties:** Teaching/instructing Degree and Diploma students.
- GLP in theory principles as well as techniques. Preparation and marking of the stage exams.

MAY 2003-NOVEMBER 2006: Tati River Clinic and Laboratory (BOTSWANA)

Senior Medical Lab. Technologist (Laboratory division)

Duties: Management representative (Botswana Medical Council board). Preparation of S.O.P document for ISO accreditation. External and Internal Quality assurance. Lab. reagents procurement and stock control. Haematological parameters, blood transfusion and immuno-serological assays.

OCTOBER 2002-APRIL 2003 Gaborone Private Hospital (BOTSWANA)

Senior Medical Laboratory Technologist (Laboratory division)

Duties: Running several systems for routine laboratory diagnosis e.g. ABX Pentra 120-blood parameter analysis. ACL 200 Instrumentation Laboratory Coagulometre- Haemostatic coagulation monitoring. KONE LAB. 30i and ABBOT TDX for clinical chemistry assays. AXYSM system for endocrinology (reproductive and thyroid hormones) assessment.

APRIL 1997-AUGUST 2002 Kenyatta National Hospital (Dept. of Laboratory Medicine)

Medical Laboratory Technologist -Dept(s). of Haematology/Blood transfusion/Histology/Cytology).

Duties: Cyto-techniques- Pap smear preps, FNA preps -staining & mounting, preparation of reagents (fixatives, stains) Preparation of cyto-chemistry reagents (Iron stains- PPB reaction) PBF blood film reporting, reticulocyte and differential counts, bone marrow preparations and staining (iron staining), G-6-P.D., heinz body preparations, L.E. cell preparations, Hb electrophoresis, haemolytic screens, coagulation screens, Compatibility tests (Grouping and cross match), preparation of blood products, screening of potential blood donors.

RESEARCH AND PUBLICATIONS

Publications:

1. Nyamai, M., **Muita E.**, Were T. and Irungu, A. (April 2021). Microbial flora identified in cervical smears of women attending Machakos level V hospital, cancer care and Research centre, Kenya. EAMJ, 98 (4).

2. Nyamai, M., Were, T., **Muita E.** and Irungu, A. (Dec. 2020). Comparing Bethesda system and Richart score in the evaluation of cervical lesions among women on contraceptives attending machakos level v county hospital in kenya. EAMJ, 97(12).

3. Ruto, P. K., **Muita, E.**, Owino, A. et al (Oct. 2020). Frequency and Pattern of All Cancer Cases at Thika Level Five Hospital in Kiambu County, Kenya. International Research Journal of Oncology, 3(4),1-9. <https://www.journalirjo.com/index.php/IRJO/article/view/30138>

4. **Muita, E.** Were, T. et al. (2019). Reproductive and lifestyle characteristics in Kenyan women presenting with pre-cancerous cervical lesions. EAJR,3:2, 29/11/2019. doi.org/10.24248/eahrj.v3i2.608.

5. **Muita, E.** Were, T. et al. (2019). Atypical cervical cytomorphic predictors: a descriptive study

of pre-cervical cancer patients of low education in Kenya. PAMJ, 33:124, 18/06/2019.
doi:10.11604/pamj.18/06/2019 .33.124.15753

GRANTS/CONFERENCES AND SEMINARS

1. 24th-27th May 2021. Research Bio-ethics Workshop, Egerton University. National Council of Science Technology and Innovation (NACOSTI) and UNESCO-KNATCOM Partnership.
2. Nov. 2020. 3rd MUT VC's research grant award. Project Title: **Modification of chlorinated corn starch with tertiary amine for removal of phenolic compounds from water for financial year 2019/2020 Ref: MUT/VCG/DVC-ASA/106/2019.**
3. 29th-30th Aug. 2019 KU Dept. of MLS Post graduate curricular review workshop, Nairobi, Kenya.
4. 29th April-3rd May 2019 KMLTTB Core curriculum review workshop, Nairobi, Kenya.
5. 11th Oct. 2018. Paper presentation, 25th Annual AKMLSO Scientific Conference, Shanzu, Kenya.
6. 30th Sept. 2017. Paper presentation, 1st Early-career health researchers' symposium- Aga Khan, Nairobi, Kenya.
7. 11th Oct. 2016. Paper presentation, 23rd Annual AKMLSO Scientific Conference, Kisumu, Kenya.
8. 29th Sept. -2nd Oct. 2015. Paper presentation, 1st Global Conference on Patient Centered Care. Kenyatta University, Nairobi, Kenya.
9. July 2013. 1st MKU VC's research grant. Title: **Cervical cytomorphologic presentations: association with pre-cervical cancer determinants in women from Nakuru county financial year 2013/2014 Ref: MEMO /R&D/001/VOL 2-2013/178.**
10. October 2008-Training course-Radiation safety for laboratory workers (University of Sussex – Brighton, UK).
11. October 2005-Annual national laboratory training workshop (M.O.H.-Gaborone, Botswana).
12. May 2002-Training course in Good laboratory practices -GLP (AAG INC. Nairobi, Kenya).

ASSOCIATIONS/SOCIETIES

- Registered with the Kenya Medical Laboratory Technicians & Technologists Board (Ref.: KMLTTB A02549).
- Registered with the Botswana Medical Council (Ref.: 2M – 263).
- Member of association of Kenya Medical Laboratory Scientific Officers (AKMLSO).
- Chairlady/Secretary Mama Msaidizi Program (N.G.O.) supporting caregivers of mentally and physically challenged children, orphaned and neglected children.
- Consultancy/linkage, Cervical cancer laboratory screening and diagnostic services. Arrow Laboratory Diagnostics.

REFEREES

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