

CURRICULUM VITAE
ESTHER WANJIKU MUITTA
P.O. Box 75-10200 Murang'a University of Technology
Mobile cell phone +254 0715230668 or +254 0738383270
EMAIL: emuitta@yahoo.com or muittaesther@gmail.com
Linkedin URL www.linkedin.com/in/esther-wanjiku-muitta-81135334
<https://orcid.org/0000-0002-3665-5071>



Dr. Esther Muitta
PhD, Lecturer of Cytology
Department. of Health Sciences
School of Pure Applied and Health Sciences
MURANG'A UNIVERSITY OF TECHNOLOGY

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

CAREER OBJECTIVE:

To be able to achieve authoritative impact in cancer research and development, through innovative epithelial cell cytomorphologic screening for cancer atypia, in a bid to fulfill the global Sustainable Development Goals in the domain of health attainment for all human populace.

CAREER HIGHLIGHT:

Team member involved in the design and development of Kenya's first national competence-based core Medical Laboratory Sciences (MLS) training curriculum for undergraduate programs and its continuous improvement through bi-annual review. (Appointed through the Kenya government Laboratory Diagnostics Medicine regulator, Kenya Medical Laboratory Technicians and Technologist Board).

EDUCATION:

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

UNIVERSITY OF SUSSEX (UK)
Master of Science (MSc.) In Developmental Cell Biology

TECHNICAL UNIVERSITY OF KENYA
Higher Diploma in Medical Laboratory Science

TECHNICAL UNIVERSITY OF KENYA
Diploma in Medical Laboratory Science

ASSOCIATIONS/SOCIETIES

- Member Kenya Medical Laboratory Technicians & Technologists Board (KMLTTB A02549)
- Member American Society for Clinical Pathology (MLT ASCPi^{CM})
- Member American Society for Clinical Laboratory Science (MLS ASCLS)
- Member Botswana Medical Council (Ref.2M – 263)
- Member Association of Kenya Medical Laboratory Scientific Officers (AKMLSO)
- Chairlady Mama Msaidizi Program (N.G.O. supporting caregivers of mentally and physically

challenged children, orphaned and neglected children).

CURRENT EMPLOYMENT:

SEPTEMBER 2019 To date: Murang'a University of Technology

Full time lecturer: Department of Health Science

Programme: Medical Laboratory Sciences.

RESEARCH AND PUBLICATIONS

Select Publications:

1. Onyango, W. O., **Muita, E.** and Mutuku, O. M. (March 2024). Prevalence of High-risk HPV infection in women presenting with chronic leucorrhoea at Kenyatta National Hospital, Nairobi County Kenya. *International Journal of Research and Reports in Gynaecology*, 7(1), 21–30. Retrieved from <https://journalijrrgy.com/index.php/IJRRGY/article/view/97>

2. Lihanda, P., **Muita, E.**, and Muhonja, F. (Jan. 2024). Healthcare providers factors influencing the uptake of WHO modified safe child birth checklist in management of pre-term births among healthcare workers in Migori County, Kenya. *International Journal Of Community Medicine And Public Health*, 11(2), 671–677. <https://doi.org/10.18203/2394-6040.ijcmph20240253>

3. Nzau, A., Mogere, D., **Muita, E.** (Sept. 2023). Influence of health worker training on cervical cancer health information utilization among healthcare workers in Machakos County, Kenya, *Journal of Midwifery, Women Health And Gynaecological Nursing*,6(1), 1-9. ISSN: 2582-3094

4. Mugenyi, M., **Muita, E.** and Nyamai J. (March 2023). Performance of different glucose testing methods amongst patients of Gestation Diabetes Mellitus in St. Francis Hospital Nsambya, Kampala, Uganda: A Cross-Sectional and Descriptive Study, *J Nur Healthcare*, 8(2), 139-144. <https://www.opastpublishers.com/journal/journal-of-nursing-healthcare/articles-in-press>

5. Okuthe, J. O., **Muita, E.** and Odongo, A. O. (March 2022). Determinants of blood donation among selected tertiary college students in Homa Bay County Kenya, *Int J Community Med Public Health*, 9(3):1250-1256. <http://www.ijcmph.com> pISSN 2394-6032 eISSN 2394-6040

6. Silla, W. N., Juma, J. and **Muita, E.** (Feb 2022). Determinants of non-compliance to Hepatitis B vaccination among students of Kenya medical training college in Machakos sub county, Kenya *Int J Community Med Public Health*. <http://www.ijcmph.com> pISSN 2394-6032 eISSN 2394-6040

7. 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).

8. 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).

9. 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>

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

11. **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/WORKSHOPS AND SEMINARS

1. 11th November 2022, AMREF University BSc. MLS and Diploma MLS curricula review workshop, Final draft, Nairobi, Kenya.
2. 10th-15th January 2022, KMLTTB BSc. MLS and Upgrading Diploma MLS curricula review workshop, Final draft, Nairobi, Kenya.
3. 2nd-3rd December 2021, Kabarak University BSc. MLS curriculum review workshop, Nakuru, Kenya.
4. 2nd-3rd November 2021, KMLTTB Core MLS curriculum review workshop, draft one, Nairobi, Kenya.
5. 24th-27th May 2021, Research Bio-ethics Workshop, Egerton University. NACOSTI and UNESCO-KNATCOM Partnership, Njoro, Kenya.
6. 1st 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**, Ref: MUT/VCG/DVC-ASA/106/2019.
7. Aug 8th 2020, Community service partnership with Mama Msaidizi Program, Sewafu Children home visit and donation of personal effects, Matuu, Kenya.
8. 18th-22nd November 2019, Research Grant proposal writing workshop, Murang'a University of Technology, Muranga, Kenya.
9. 14th-16th October 2019, KMLTTB Core MLS curriculum review workshop, draft zero, Nairobi, Kenya.
10. 29th-30th Aug. 2019 Kenyatta University Dept. of MLS Post graduate curricular review workshop, Nairobi, Kenya.
11. 29th April-3rd May 2019 KMLTTB Core MLS curriculum review workshop, team set-up, Nairobi, Kenya.
12. 11th Oct. 2018. Paper presentation, 25th Annual AKMLSO Scientific Conference, Shanzu, Kenya.
13. 30th Sept. 2017. Paper presentation, 1st Early-career health researchers' symposium- Aga Khan, Nairobi, Kenya.
14. 11th Oct. 2016. Paper presentation, 23rd Annual AKMLSO Scientific Conference, Kisumu, Kenya.
15. 29th Sept.-2nd Oct.2015. Paper presentation, 1st Global Conference on Patient Centered Care. Kenyatta University, Nairobi, Kenya.
16. July 2013. 1st MKU VC's research grant. Title: **Cervical cytomorphic presentations: association with pre-cervical cancer determinants in women from Nakuru county**, Ref: MEMO /R&D/001/VOL 2-2013/178.
17. Oct.-Nov. 2008-Training course-Radiation safety for laboratory workers, University of Sussex, Brighton, UK.
18. October 2005-Annual National Medical Laboratory training workshop, M.O.H.-Gaborone, Botswana.
19. May 2002-Training course in Good laboratory practices -GLP, AAG INC. Nairobi, Kenya.

POST-GRADUATE STUDENTS I HAVE SUPERVISED TO COMPLETION

1. **Doctorate recipient 2022:** Munyoki Nyamai. *Cytopathological and Histopathological Features of Cervical Specimens from Women of Reproductive Age Attending Machakos Level Five Hospital, Machakos County, Kenya.* Masinde Muliro University of Science and Technology.
2. **Masters recipient 2021:** Patrick Ruto. *Cancer morbidity and mortality rates Years 2013-2017 at Thika Level Five Teaching and Referral Hospital, Kiambu county, Kenya.* Mount Kenya University.
3. **Masters recipient 2021:** Nthambi Winfred Silla. *Determinants of non-compliance to Hepatitis B vaccination among students of Kenya Medical Training College in Machakos county, Kenya.* Mount Kenya University
4. **Masters recipient 2022:** James Ochieng Okuthe. *Assessment of voluntary blood donor characteristics among selected tertiary college students in Homa Bay county Kenya.* Mount Kenya University

POSTGRADUATE CANDIDATES UNDER MY SUPERVISION (Thesis proposal and data collection stage)

1. **Masters candidate 2024:** Amos Cheruiyot. An interrupted time series analysis of mothers undergoing cesarean birth in Kenya: A case study at AIC Kijabe hospital Kiambu county, Kenya- Murang'a University of Technology.
2. **Masters candidate 2023:** Maureen Kipkemoi. An assessment of antimicrobial stewardship status in Kapsabet Sub-County referral hospital, Nandi County, Kenya- Mount Kenya University.
3. **Masters candidate 2022:** Willbrod Ochieng' Onyango. PAP Smear findings and HPV Infection among women presenting with chronic leucorrhoea at Kenyatta National Hospital, Nairobi County, Kenya- Kenyatta University
4. **Masters candidate 2022:** Prisca Lihanda. Determinants of the uptake of WHO modified safe child birth checklist in management of pre-term births among healthcare workers in Migori county, Kenya - Mount Kenya University
5. **Masters candidate 2021:** Abednego Nzau. Factors influencing utilization of cervical cancer information among health care workers in selected hospitals in Machakos county, Kenya- Mount Kenya University
6. **Masters candidate 2020:** Lydia Mukami. Factors influencing utilization of contraceptives methods among the youths in Westlands sub-county, Nairobi county Kenya-Mount Kenya University
7. **Masters candidate 2020:** Martin Mugenyi. Assessment of glucose testing methods among pregnant women at St. Francis hospital Nsambya, Kampala, Uganda-Mount Kenya University
8. **Masters candidate 2020:** Ridweys Daisy Brender. Determinants of healthcare access among older adults of above 60 years of age in Likuyani sub-county, Kakamega, Kenya- Mount Kenya University