



Dr. Munyoki Nyamai, B.Sc. MLS (Mount Kenya -U), MSc. MLS (Mount Kenya -U), PhD (Masinde Muliro-U), Leadership and management (UOW), Monitoring and Evaluation (UOW), Economic Evaluation in Global Health (UOW).

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### **Mission statement**

- To be an efficient and factual researcher and academician in an institution of research and higher learning so as to promote research and innovation in alleviation and reduction of human suffering from diseases and infections for sustainable development in human health.

### **WORK EXPERIENCE.**

Jan 2025 to Date:

Murang'a University of Technology

**Position:** Lecture.

#### **Duties and Responsibilities**

1. Teach and assess students in theoretical and practical aspects of medical laboratory sciences across diploma and degree levels.
2. Develop and review curriculum to align with current scientific advancements and regulatory requirements.
3. Conduct research and publish findings relevant to laboratory medicine, diagnostics, and public health.
4. Supervise students' projects and internships to enhance their clinical and analytical competencies.
5. Ensure quality assurance in laboratory training by adhering to safety standards and ethical practices.
6. Participate in departmental planning and community outreach, contributing to institutional growth and service delivery.

### Professional qualification

May 2017 – 2022	<b>Masinde Muliro University of Science and Technology</b> Doctor of Philosophy in Medical Laboratory Science. (Histology and Cytology)
May 2013 – July 2016	<b>Mount Kenya University</b> Masters in Medical Laboratory Science. (Histology and Cytology).
May 2010 to Dec 2012	<b>Mount Kenya University</b> Bachelors of Science in Medical Laboratory Science.

### Trainings, seminars and workshops attended

March 2014	<b>Ministry of Health.</b> National Guideline on Malaria Management.
March 2015	<b>AMREF.</b> Good Clinical Laboratory Practice.
July 2015	<b>University of Maryland.</b> Laboratory Biosafety and Biosecurity training.
September 2016	<b>HUQAS Scientific conference.</b> Abstract presentation.
June 2016	<b>KMTC Scientific conference.</b> Abstract presentation.
February 2019	<b>Kenyatta university.</b> Bioethics Training Workshop
July 2019	<b>KEMRI.</b> Research methodology.

## CURRICULUM VITAE

December 2019	<b>ACEPHEM.</b> Quantitative research methodology.
June 2021	<b>KMTC Scientific conference.</b> Abstract presentation.
March 2022	<b>Egerton University Scientific conference.</b> Abstract presentation.
July 2022	<b>University of Washington</b> Leadership and management Course
March 2023	<b>University of Washington</b> Monitoring and Evaluation
March 2023	<b>Egerton University</b> Supervision of postgraduate students
August, 2024	<b>University of Washington</b> Economic Evaluation in Global Health
October,2024	<b>29<sup>th</sup> AKMLSO Conference</b> Research paper presentation
November, 2024	<b>2024 Kenya International Cancer Conference</b> Research paper presentation
July, 2024	<b>International Multidisciplinary Conference -Lukenya University</b> Research paper presentation
April, 2025	<b>KMTC Scientific Conference workshop</b> Abstract review
June, 2025	<b>8th KMTC Biennial Scientific Conference</b> Research paper presentation

## Publications

1. Risk factors associated with Cervical Intra Epithelial Lesions among female sex workers in Nairobi,Kenya. EAJP December, 2015; Vol. 2: 8-12.
2. Nyamai, M., Were, T., Muita, E., & Irungu, A. (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. East African Medical Journal, 97(12), 3284-32943.

3. Muraya, M., P. Ngungu, A. Wamachi, and M. Nyamai. "The performance of rapid diagnostic kits in cholera diagnosis among patients presenting with diarrhoea symptoms attending the Nairobi Womens Hospital (Adams)." *East African Medical Journal* 98, no. 11 (2021): 4325-4332.
4. Nyamai, M., Muiitta, E., Were, T., & Irungu, A. (2021). Microbial flora identified in cervical smears of women attending Machakos level v hospital, cancer care and research centre. *East African Medical Journal*, 98(4).
5. Nyamai, M. & Irungu, A. (2022). Histopathological features in development of cancer of the cervix in relation to sexually transmitted among sexually active women attending Machakos Cancer Care and Research Centre. *Journal of Medical Science and Clinical Research* 10. no.7(2022):61-68
6. Sigei, E. C., Nyamai, M., Kitolo, S. M., Okinyi, V. P., Bii, C. C., & Were, T. (2023). *Candida* species distribution in different clinical specimens from various Nairobi metropolitan city public referral hospitals. *East African Medical Journal*, 100(8), 6211-6220.
7. Njue, L. A. M., Muturi, M., Waithaka, S. K., Menza, N., & Nyamai, M. (2024). Quality of selected immunological and immuno-hematological tests in clinical laboratories in Kiambu County, Kenya. *East African Medical Journal*, 101(1), 6648-6658.
8. Njogu, D. N., Menza, N., Nyamai, M., & Nyamai, D. (2022). Saliva And Blood Glucose Parametric Analysis Among Individuals Attending Kutrrh Hospital In Nairobi, Kenya. *East African Medical Journal*, 99(12).
9. Nyamai, M., Kipturgo, M., Kigen, E., Gachanja, F., & Mwangi, N. (2024, November). Ten simple rules for developing a research mentorship program: The experience of the postgraduate mentorship program at the Kenya Medical Training College. *Kenya Eye Health Journal*,
10. Antimicrobial sensitivity of salmonella typhi in patients attending Melchizedek Hospital. (Unpublished).

### Personal skills and strengths

1. Clear communicator – I simplify complex scientific content to make it understandable and engaging for my students.
2. Analytical thinker – I guide learners to apply critical thinking in interpreting lab results and solving diagnostic challenges.
3. Detail-oriented – I consistently model accuracy in laboratory procedures, emphasizing the importance of precision.
4. Flexible and tech-savvy – I adapt my teaching to incorporate new scientific findings and digital tools to enhance learning.
5. Supportive mentor – I take time to understand each student's strengths and provide tailored academic and career guidance.
6. Well-organized – I manage my teaching, research, and supervision roles efficiently to ensure students receive timely feedback and support

### Referees

#### **Dr.Kennedy Muna**

Chairman of Department  
Health Sciences  
Murang'a University of Technology

#### **Professor Tom Were,**

Masinde Muliro University Of Science And  
Technology,  
School of Medicine

# CURRICULUM VITAE

