



**Name:** Dr. Kennedy Muna Kuria

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**Address:** P.O. Box 3826-20100 Nakuru

**Languages spoken:** English, Kiswahili, Kikuyu.

**Age:** 40 years

**Mobile Telephone no.:** +254722518508

**Marital Status:** Married

### Desire

To engage in situation calling for a lot of dedication in a successful organization that will be Result oriented, Focus oriented, Timelines driven, Documentation, Detail oriented, Prioritization and Self-motivated

### Education/Professional Qualification

1. **PhD in Medical Laboratory Sciences (Immunology)**, Mount Kenya University; 2013 to Dec 2016.

Thesis title; “*Characterization of Biomphalaria pfeifferi* Proteins Expressing Immunogenic Properties Against *Schistosoma mansoni*: Strategy for Vaccine Development”

2. **Master of Science in Immunology**, Jomo Kenyatta University of Agriculture and Technology; September 2008 –July 2011

Thesis title; “*Immunization of BALB/c mice with soluble proteins obtained from snail vector Biomphalaria pfeifferi and challenging with Schistosoma mansoni parasite*”

3. **Bachelor Science in Medical Laboratory Sciences**, Jomo Kenyatta University of Agriculture and Technology; January 2001 –July 2005

### Work Experience

1. Lecturer, Department of Medical Laboratory Sciences (Immunology, Microbiology, Histology, Virology and Hematology). Murang’a University of Technology (July 2019 - Present day)

2. Lecturer, Department of Medical Laboratory Sciences (Immunology, Microbiology, Histology, Virology and Hematology). Mount Kenya University (December 2016 – May 2019)
3. Tutorial fellow, Department of Medical Laboratory Sciences (Immunology, Microbiology, Histology, Virology and Hematology). Mount Kenya University (July 2011- December 2016).
4. Graduate assistant, Department of Medical Laboratory Sciences (Immunology, Microbiology, Histology, Virology, and Hematology). Mount Kenya University (April 2008 - July 2011)

### **Responsibilities**

1. **Member/Chair of University selected committees appointed by the Vice Chancellor and Deputy Vice Chancellor (July 2019 to Current)**
2. **Chairman of Department, Medical Laboratory Sciences Murang'a University of Technology (September 2019 to Current)**

Day to day administration of the department, Executive officer of the department, Chairman of the departmental board, Departmental chief examinations officer, Allocation of duties to departmental staff, Ensure standards of teaching and research are maintained, Recommend for student selection and admission.
3. **Head of Department, Medical Laboratory Sciences Mount Kenya University (February 2018 to July 2019)**

Day to day administration of the department, Executive officer of the department, Chairman of the departmental board, Departmental chief examinations officer, Allocation of duties to departmental staff, Ensure standards of teaching and research are maintained, Recommend for student selection and admission.
4. **Registrar, Medical School Mount Kenya University (May 2015 to April 2017)**

Providing effective administrative support to teaching, learning, examinations and research in the school. Overseeing keeping records of course unit allocation to faculty and ensuring compliance with workload policy. Monitoring student unit load and lecture attendance. Serving as a custodian of academic regulations, rules and procedures. Coordinating matters related to business development and marketing activities in the school and advising the Dean of the School on the same. Coordinating activities of administrative staff in the school. Mainstreaming the use of Management Information System in the school. Coordinating matters related to procurement and fee collection. Coordinating and managing students' field trips and attachments, and maintaining proper records. Ensuring the smooth functioning

of the School Board and its sub-committees. Fast-tracking the implementation recommendation of Senate and School Board. Advising the Dean of the School on matters related to teaching resources. Budgeting and implementing school budgets as well as being the accounting officer of the university funds being expended in the school. Ensuring effective planning and monitoring of all school academic, research, consultancy and outreach activities. Ensuring prudent management and utilization of resources in the school.

**5. Head of Department, Medical Laboratory Sciences Mount Kenya University (September 2008 to May 2015)**

Day to day administration of the department, Executive officer of the department, Chairman of the departmental board, Departmental chief examinations officer, Allocation of duties to departmental staff, Ensure standards of teaching and research are maintained, Recommend for student selection and admission.

**6. Course Coordinator, Department of Medical Laboratory Sciences Thika Institute of Technology (September 2005 - August 2008)**

Directing training of students, Ensuring timely and effective coverage of syllabi, Advising the Chief Principal on departmental needs, Preparing termly progressive reports of the department, Liaising with relevant professional bodies, Coordinating examinations administration and marking, Maintaining an updated trainees roll for each term.

**Training and workshops**

2019 November: Participated in Leadership and Corporate Governance Training by AGMOND INTERNATIONAL held at Lake Naivasha Panaroma Park Hotel

2019 May: Participated in Medical Laboratory Science BSc. Core Curriculum Review at Panafric Hotel Nairobi organized by KMLTTB

2019 October: Participated in 26<sup>th</sup> annual AKMLSO scientific and exhibition conference held at The Acacia Premier Hotel, Kisumu.

2019 April: Participated in TVET monitor/evaluator training organized by AFAFET/TVETA

2018 October: Participated in 25<sup>th</sup> annual AKMLSO scientific and exhibition conference held at Pride Inn Hotel at Mombasa

2017 June: Participated in QMS training and implementation of ISO 9001:2015

2016 October: Participated in 23<sup>rd</sup> annual AKMLSO scientific and exhibition conference held at Acacia Premier Hotel at Kisumu

2015 October: Participated in 22<sup>nd</sup> annual AKMLSO scientific and exhibition conference held at Golf Hotel at Kakamega

2014 September: Participated in a training on Pedagogy Skills at Mount Kenya University

- 2014 October: Participated in 21<sup>st</sup> annual AKMLSO scientific and exhibition conference held at Reef Hotel at Mombasa
- 2013 October: Participated in 20<sup>th</sup> annual AKMLSO scientific and exhibition conference held at Panari Hotel at Nairobi
- 2011 August: Participated in Continous Professional Development in Medical Laboratory Sciences on Good Medical Laboratory Procedures
- 2011 August: Participated in 18<sup>th</sup> annual AKMLSO scientific and exhibition conference held at Thomson's Fall Lodge at Nyahururu
- 2011 June: Participated in KMLTTB inspectors training workshop held at Great Lakes Hotel in Kisumu. Qualified as an inspector No. Kmlttb/053/04/2011
- 2011 April: Participated in Scientific Research Writing workshop at KARI Thika.
- 2010 July: Participated in the 18<sup>th</sup> International Biomedical Research Conference. Theme "Translating non-human primate studies into clinical benefits for humans".
- 2008 November: Participated in 17<sup>th</sup> annual AKMLSO scientific and exhibition conference held at Gusii Institute of Technology at Kisii
- 2008 September: Participated in workshop of Good Medical Laboratory Diagnostic Procedures at Mount Kenya University.
- 2007 August: Participated in a workshop as an examiner trainee for Technical Examinations at Moi Forces Academy, Nairobi.
- 2008 April: Registered with the Kenya Medical Laboratory Technicians and Technologist Board. Registration number A02797.
- 2000 August: Certificate of Computer Applications at Egerton University.
- 2000: Driving at Umoja driving school.

### **Professional Membership**

1. Kenya Medical Laboratory Technicians and Technologists Board (KMLTTB) – Registration No. A02797
2. Immunopaed.org – Advancing Global Immunology Education
3. Association of Kenya Medical Laboratory Scientific Officers (AKMLSO)

### **Community Service and Outreach**

1. Free Medical Camp for screening of Cancer among the Thika community at Mount Kenya University in April 2018
2. Board Member, Madaraka Primary School, Nakuru (January 2018 – Current)
3. Treasurer, St. JohnVianney SCC – St. Peter the Rock Catholic Church, Thika (2019 – Current)

## Thesis Examination

- 2021 August: External examiner for Wekesa Khisa Thomas – Master of Science in Biomedical Sciences- Haematology and Blood Transfusion Science (Kisii University)  
Title of thesis: “Haemoglobin S Profile in ABO/Rhesus Blood and Its Effect Among Blood Donors and Patients in Bungoma County, Kenya.”
- 2021 July: External examiner for Fridah Makena Francis – Master of Science in Public Health (MUST)  
Title of thesis: “Knowledge and Attitudes on Integrated Disease Surveillance and Response Programme by Health Workers.”
- 2021 June: External examiner for Chrisphine Momanyi Gisore – M.Sc. Hematology and Blood Transfusion (Kisii University)  
Title of thesis: “Effects of Room Temperature on Erythrocyte Among Donors’ Samples in Kisii County.”
- 2019 May: External examiner for Margaret Kemunto Onchanga- M.Sc. Hematology and Blood Transfusion (JKUAT)  
Title of thesis: Quality Determination of Platelet Concentrates Prepared at The Nairobi Regional Blood Transfusion Centre in Kenya
- 2017 November: External examiner for Catherine Makandi Mworira- M.Sc. Clinical Chemistry (JKUAT)  
Title of thesis: Effects of *Catha edulis* (Miraa) on Kidney and Liver Function Among Miraa Chewing Adults in Meru County, Kenya
- 2017 October: External examiner for Thuku Nancy Wanjiku- M.Sc. Hematology and Blood Transfusion (JKUAT)  
Title of thesis: Determination of Platelet Counts in Platelet Concentrates and effectiveness of Platelets After Transfusion at KNH

## Selected Publications

1. Opiyo, S. A., Muna, K. K., Njoroge P. W & Ndirangu, E. G. (2021). Analgesic Activity of Conyza Floribunda Extracts in Swiss Albino Mice. *Journal of Natural Sciences Research*. Vol.12, No.12 (2021)
2. Opiyo, S. A., Njoroge, P. W., Ndirangu, E. G., & Kuria, K. M. (2021). A Review of Biological Activities and Phytochemistry of Rhus Species. *American Journal of Chemistry*. Vol 11(2): 28-36

3. Enock Magori, Stanley Kang'ethe, **Kennedy Muna**, Guthuru Revathi (2021). Bacterial contamination and distribution on patient care environment at Mbagathi Hospital surgical and newborn unit. *Journal of Annals of Pathology and Laboratory Medicine*. Vol.8, No.3(2021).
4. Martin Wanyama, **Kennedy Muna**, Geoffrey Omuse, Stanley Kangethe, Gunturu Revathi (2021). Bacteriological profile of healthcare workers and patients hands at Aga Khan University Hospital, Nairobi outreach centers. *Journal of Annals of Pathology and Laboratory Medicine*. Vol.8, No.3(2021).
5. Everlyne Macharia, **Kennedy Muna**, Jackson Onyuka (2021). Association Between Socioeconomic Factors and Tuberculosis Infection Among Diabetic Patients Attending JM Kariuki County Referral Hospital, Nyandarua County, Kenya. *Journal of Medical and Biomedical Laboratory Sciences Research* 2020; 1:2.  
<http://www.ijmblsr.com/articles.php>
6. **Kennedy M. Kuria** (2020). Exploratory Study on Knowledge, Practices and Attitude of Medical Laboratory Practitioners Towards COVID-19 In Murang'a County Public Health Facilities. *Journal of Medical and Biomedical Laboratory Sciences Research* 2020; 1:1. <http://www.ijmblsr.com/articles.php>
7. **Kuria, K. M., & Opiyo, S. A.** (2020). Characterization of Immunogenic Soluble Crude Proteins from *Biomphalaria pfeifferi* Against *Schistosoma mansoni*. *Journal of Natural Sciences Research*. Vol.10, No.12, 2020
8. **Kuria, K. M., Suleman, M. A., & Yole, D. S.** (2019). Immunopathological effects of some *Biomphalaria pfeifferi* proteins against *Schistosoma mansoni* infection in BALB/c mice. *Journal of Clinical Immunology and Immunopathology Research*, 9(1), 1-12.
9. Githiomi, R. N., **Kuria, K. M.,** (2017). *Prevalence of Weak Rh D in the Blood Donors of RBTC Nairobi-Kenya*. Academic Publishing. Vol. 10 (1), pp. 1-7, October 2017
10. Rachel Githiomi, **Kennedy Muna** and Naomi Waiganjo (2017). The heterogeneity and distribution patterns of ABO and RH D phenotypes in the voluntary blood donors of Kenya. *J. Clin. Immunol. Immunopathol. Res.* Vol. 8(1), pp. 1-7, October 2017
11. **Kennedy Muna Kuria**, Dorcas Syokui Yole and Mbaruk Abdalla Suleiman (2015). 'Brine Shrimp Lethality Test of Soluble Proteins from *Biomphalaria pfeifferi* Snail as Preliminary for Vaccine Development for *Schistosoma mansoni* ' *American International Journal of Research in Science, Technology, Engineering* 11(2), 2015, pp. 104-107
12. **Kennedy M. Kuria**, Rebecca Waihenya, Hellen Kutima, Peninnah Njoki and Dorcas Yole. 'Cellular responses against *Schistosoma mansoni* in immunized Balb/c mice with soluble proteins from intermediate host, *Biomphalaria pfeifferi*.' *Tanzania Journal of Health Research* Volume 14, Number 4, October 2012
13. Penina Njoki Muchirah, Dorcas Yole, Hellen Kutima, Rebecca Waihenya, **Kennedy Muna Kuria** and Mokuia John. "Determination of effective praziquantel dose in

different mouse strains: BALB/c and Swiss mice in treatment of *Schistosoma mansoni*.”  
Journal of Clinical Immunology and Immunopathology Research Vol. 4(2), pp.  
12(2012)

### Manuscripts submitted for publication

1. **Title:** Correlation of donor characteristics and apheresis platelet yield using the Trima Accel Machine at the Aga Khan University Hospital, Nairobi. (Masters student’s)  
**Journal:** East African Journal of Pathology  
**Status:** Accepted  
**Authors:** Annie Wanjiku Githiyyi, Stanley Waithaka, **Kennedy Muna Kuria**, Nancy Okinda, Elizabeth Kagotho,

### Patent

**REG. NO. KE/UM/2020/1445:** Intelligent Outdoor Solar Powered Non - Contact Hand Sanitizer Dispenser. The field of invention is a programmable outdoor solar-powered non-contact dispenser for hand sanitizer fluids. (Kenya Industrial Property Institute).  
**Innovators:** Peter Waithaka, **Kennedy Muna**, Sylvia Opiyo, Wilson Karuru

### Research Grant & Awards

1. 3<sup>rd</sup> Vice Chancellor’s research award, Murang’a University of Technology of **Ksh 400,000** to research on Ethnopharmacological and physicochemical antifungal of selected crude extracts of *Jatopha curcas* plant expressing antifungal properties: Strategy for antifungal drug. (2021)
2. 3<sup>rd</sup> Vice Chancellor’s research award, Murang’a University of Technology of **Ksh 400,000** to research on An investigation of the impact of teenage pregnancy on school dropout rates among Public Primary and Secondary school girls in Homa Bay County, Kenya
3. 5<sup>th</sup> NACOSTI research award of **Ksh 1,200,000** to research on Determination of *Biomphalaria pfeifferi* proteins expressing immunogenic properties against *Schistosoma mansoni*: Strategy for vaccine development. (2014)

### Post Graduate Supervision

1. **Rachael Githiomi Nyaguthii – M.Sc. Immunology (MKU)**  
Title of thesis: The Heterogeneity of ABO and Rh D Blood Groups Among Voluntary Blood Donors in Kenya.  
**Status:** Graduated
2. **Lawrence Wamiti – PhD Histology and Cytology (MKU)**  
Title of thesis: Determination of Cervical Cancer Among HIV Positive Women in Kiambu County, Kenya  
**Status:** Proposal development

3. **Damaris Katsutsu – PHD Haematology and Blood transfusion (MKU)**  
 Title of thesis: External Quality Assessment of Hematological Analytical Results of Medical Services Provision and a Strategy for Development in Nairobi County, Kenya  
**Status:** Proposal development
4. **Rachael Githiomi Nyaguthii – PhD Haematology and Blood Transfusion (MKU)**  
 Title of thesis: Molecular Determination Of Red Cell Variants In The Voluntary Blood Donors In Kenya: The African Variations  
**Status:** Data collection
5. **Alex Mutai – M.Sc. Hematology (MKU)**  
 Title of thesis: Serological Determination of Hepatitis E Virus Amongst Blood Donors in the National Blood Transfusion Services.  
**Status:** Completed awaiting graduation
6. **Roda Samuel Chol Majok – M.Sc. Immunology (MKU)**  
 Title of thesis: Antimalarial Activity of Leaves And Root Extracts of Thelegate (*Aristolochia Bracteolata Lam*) Plant Against Invivo and Invitro *Plasmodium Falciparum* Infections.  
**Status:** Completed awaiting graduation
7. **Everlyne Macharia. – M.Sc. Microbiology (MKU)**  
 Title of thesis: Active Tuberculosis Case Finding on Diabetic Patients Attending JM Kariuki County Hospital, Nyandarua County.  
**Status:** Completed awaiting graduation
8. **Annie Wanjiku Githiyyi – M.Sc. Hematology and Blood transfusion (MKU)**  
 Title of thesis: Platelet Yield by Apheresis Technique Using TRIMA Apheresis Machine at the Aga Khan University Hospital, Nairobi  
**Status:** Completed awaiting graduation
9. **Martin Wanyama Wamalwa - M.sc. Microbiology (MKU)**  
 Title of thesis: Bacteriological Profile of Healthcare Workers and Patients Hands at Aga Khan University Hospital, Nairobi Outreach Centers  
**Status:** Completed awaiting examination
10. **Enock Magori - M.sc. Microbiology (MKU)**  
 Title of thesis: Bacterial Contamination and Distribution in Patient Care Environment at Mbagathi Hospital Surgical and Newborn Unit  
**Status:** Completed awaiting examination
11. **Celestine Kanini Kyembeni - M.sc. Microbiology (MKU)**  
 Title of thesis: Phytochemical Compounds, Toxicity and Antimicrobial Efficacy of *Jatropha Curcas* Extracts on *Escherichia Coli* From Diabetic Females in Kitui County, Kenya  
**Status:** Data collection



**12. Evabeatrice Njoka – Master of Public Health M&E (MKU)**

Title of thesis: Predictors of Non-Compliance to Type II Diabetes Management Among Adult Inmates in Machakos County Prisons, Kenya

**Status:** Data collection

**13. Charles Gatundu – M.Sc. Clinical Chemistry (MKU)**

Title of thesis: Evaluation of Selected Coagulation Profiles and Hba1c in Assessing the Risk of Thrombotic State in Diabetes Mellitus Among Patients in JOOTRH Kisumu County

**Status:** Data collection

**Referees**

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