

Academic Staff Profile

Personal Profile

Name: Dr. John Njenga Kariuki	
Title/Qualification: Ph.D. Hematology, M.Sc. Hematology and Blood Transfusion and BSc. MLS	
Department: Medical Laboratory Science	
Designation/Position: Lecturer	
Email: njenga.kariuki@ku.ac.ke	
Contact Address: 2268-30100	
Area of Specialization: Hematology and Blood Transfusion	
Research Interests: Hematology and Blood Transfusion	
ORCID ID: https://orcid.org/0000-0002-4115-3527	
Google Scholar: https://scholar.google.com/citations?hl=en&user=aKHHYkoAAAAJ&view_op=list_works&gmla=AJsN-F7o5j1CuCeT0rheGDoNY3GpUMN-zAYo02n24d2fkRzbzeZU5qssVOQWj-fHQPy-3L7imyfJLbn9JffFpiZWwAgivizRgztPZ95KzySHdMA34ASVZxE	

Academic & Professional Qualifications

Date	Institution	Course
2020– 2023	Kenyatta University	Ph.D in Hematology
2016 – 2019	Jomo Kenyatta University of Agriculture and Technology	Masters in Medical Laboratory Sciences (Hematology and Blood Transfusion)
2011 – 2015	Kenyatta University	Bachelor of Science in Medical Laboratory Sciences
2005 – 2009	Wareng High School	Kenya Certificate of Secondary Education Mean Grade A minus

1996 – 2004	Huruma Primary School	Kenya Certificate of Primary Education Grade B
-------------	-----------------------	---

Employment History

July 2023– To date	Kenyatta University, Department of Medical Laboratory (Lecturer) ➤ Teaching and examining students doing B.Sc. in Medical Laboratory Science (Basic Hematology, Hematological Disorders and Blood Transfusion) ➤ Coordinating practical sessions in the teaching laboratories ➤ Departmental administrator on class attendance
Feb 2020 – July 2023	Kenyatta University, Department of Medical Laboratory (Tutorial Fellow) ➤ Teaching and examining students doing B.Sc. in Medical Laboratory Science (Basic Hematology, Hematological Disorders and Blood Transfusion) ➤ Coordinating practical sessions in the teaching laboratories ➤ Departmental administrator on class attendance
Jan 2018 – Jan 2020	Kenyatta University, Department of Medical Laboratory (Teaching Assistant) ➤ Writing proposals for grants application ➤ Preparing Manuscripts for publication ➤ Formulating and revising relevant academic policies ➤ Invigilation and Marking of Exams ➤ Supervision of Practical Sessions
Aug 2018 – Feb 2020	The Nairobi Women’s Hospital (Laboratory Technologist) ➤ Clinical diagnosis in all sections of the hospital laboratory. ➤ Coordination of QA in all Medical Centres. ➤ Machine maintenance, troubleshooting and quality control checks ➤ Preparation, Reviewing and approving SOPs ➤ Monitoring Lab stock movement. ➤ Orientation and training students on laboratory procedures and system operation, ➤ Participate in organization and conducting of medical camps. ➤ Provides technical support for laboratory personnel. ➤ Participates in validation of analytical data reported to management and clients. ➤ Adherence to work plan schedules. ➤ Performs related duties as needed or assigned. ➤ Reviews efficiency and effectiveness of laboratory reagents and equipment,. ➤ Prepares special reports pertaining the lab when requested. ➤ Observe legal requirements relating to the performance of laboratories.
Sept 2016 – Jan 2018	Kenyatta University Health Unit (Laboratory Technologist) ➤ Receiving and processing samples in the Research Laboratory

May 2016 to Sept 2016	➤ Packaging of samples for referrals and Shipment ➤ Preparing Standard Operating Procedures ➤ Storage of samples for long term retrieval ➤ Keeping all data and records ➤ Laboratory diagnosis in all sections of the laboratory ➤ Machine maintenance, troubleshooting and quality control checks ➤ Participate in organization and conducting of medical camps. ➤ Provides technical support for laboratory personnel. ➤ Participates in validation of analytical data reported to management and clients. ➤ Adherence to work plan schedules. ALKEM LABORATORIES (Medical Representative in-charge Nakuru County) Responsibilities ➤ Promoting pharmaceutical drugs ➤ Selling pharmaceutical drugs ➤ Organizing CME's ➤ Writing monthly reports ➤ Creator of customers' accounts
April 2015 – August 2015 May 2015 – August 2015 May 2014 – August 2014	CLINICAL ROTATIONS DURING TRAINING Kenyatta National Hospital (M.Sc) (Hematology and Blood Transfusion Department) ➤ Bleeding donors ➤ Receiving blood samples specimens ➤ Maintaining the hospital's blood bank, ➤ performing compatibility tests and release of compatible blood to the wards for transfusion Kenyatta National Hospital (B.Sc. MLS Hospital Attachment) ➤ Clinical diagnosis in all sections of the hospital laboratory. ➤ Ward rotations and phlebotomy. ➤ Machine maintenance, troubleshooting and quality control checks. ➤ Media preparation, specimen culturing and reporting. ➤ Machine maintenance, troubleshooting and quality control checks. ➤ Referring samples to external laboratories. ➤ Maintaining the hospital's blood bank, performing compatibility tests and release of compatible blood to the wards for transfusion. Kaimbu Level 5 Hospital (B.Sc. MLS Laboratory Skills level III) ➤ Clinical diagnosis in all sections of the hospital laboratory. ➤ Performing CD4 count for samples from Comprehensive Care Clinic ➤ Preparing samples for viral load from Comprehensive Care Clinic ➤ Machine maintenance, troubleshooting and quality control checks. ➤ Referring samples to external laboratories.

May 2013 – August 2013	➤ Testing of new diagnostic kits in Biochemistry and serology departments. ➤ Ward rotations and phlebotomy. ➤ Preparation of culture media, culturing of specimen and reporting. ➤ Grossing of histological specimen and staining. ➤ Keeping records of the released results at department levels.
May 2012 – August 2012	Nakuru Provision General Hospital (B.Sc. MLS Laboratory Skills level II) ➤ Phlebotomy and specimen reception. ➤ Routine diagnosis in all sections of the laboratory ➤ Machine maintenance, troubleshooting and quality control checks. ➤ Keeping records of released results at department levels. ➤ Referring samples to external laboratories ➤ Testing of new diagnostic kits in Biochemistry and serology departments Moi Teaching and Referral Hospital (B.Sc. MLS Laboratory Skills Level I) ➤ Clinical diagnosis in all sections of the hospital laboratory. ➤ Machine maintenance, troubleshooting and quality control checks. ➤ Performing CD4 count for samples from Comprehensive Care Clinic ➤ Preparing samples for viral load from Comprehensive Care Clinic ➤ Referring samples to external laboratories. ➤ Testing of new diagnostic kits in Biochemistry and serology departments. ➤ Ward rotations and phlebotomy. ➤ Preparation of culture media, culturing of specimen and reporting. ➤ Grossing of histological specimen and staining. ➤ Keeping records of the released results at department levels

Publications

John, N.K. Kahato M, Wacuka N, Magutu V. (2019). Evaluation of Anemia among Deferred Prospective Blood Donors at Kenyatta National Hospital, Kenya. *Journal of Medical Science And clinical Research*.

N Githanga, J., G Mathenge, S., C Menza, N., & K **Njenga, J.** (2022). Hematological Profiles of Eligible Blood Donors at Kenyatta National Hospital, Kenya. *International Blood Research & Reviews*, 24-31.

Njenga, J. K., Mathenge, S. G., Menza, N. C., & Githanga, J. N. (2022). Prevalence of Iron Deficiency and Anemia among Eligible Blood Donors at Kenyatta National Hospital, Kenya. *International Journal of Research and Reports in Hematology*, 5(1), 40-46.

Affiliation of Professional Bodies

Registered by the Kenya Medical Laboratory Technicians & Technologists Board (K.M.L.T.T.B) at Degree level with a working License

Research grants

January 2021 – December 2022: 2 years research grant (KSh. 200,000) from Kenyatta University Dean's Grant to do a study on total blood volume, iron status and hematological profiles of whole blood donors at Kenyatta National Hospital, Nairobi County, Kenya

Administrative Positions Held

May 2023 to date: Appointed departmental post graduate coordinator, department of medical laboratory science

May 2021 to date: Appointed secretary of departmental programme development committee, department of medical laboratory science

Sept 2020 to May 2023: Appointed departmental time-tabler coordinator, department of medical laboratory science

Feb 2020 to May 2023: Appointed departmental class attendance coordinator, department of medical laboratory science

Jan 2013-April 2015: Appointed chairman, Kenyatta University Family Welfare and Counselling Project