

CURRICULUM VITAE.

PERSONAL DETAILS

NAME : EPHANTUS MURIMI NYAGA

DATE OF BIRTH : 22nd MARCH 1982

NATIONALITY : KENYAN

GENDER : MALE

MARITAL STATUS : MARRIED

RELIGION : CHRISTIAN

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EDUCATIONAL / PROFESSIONAL TRAINING.

PERIOD	INSTITUTION	QUALIFICATION
January 2012 to September 2013.	Mount Kenya University	Bachelor of Science in Medical Laboratory Sciences
September 2007 to November 2008	Technical University of Kenya	Higher National Diploma in Biotechnology
September 2002 to 2005	Kabete National Polytechnic	Diploma in Medical Laboratory Technology
January 2001	F.G.C.K Computer College, Embu	Certificate in Computer Applications and Computer Programming.
1996 to 2000	Kamama Boys High School, Embu	Kenya Certificate of Secondary Education (KCSE), C (Plain).
1989 to 1996	ACK Kigari Primary School, Embu	Kenya Certificate of Primary Education (KCPE)

PROFESSIONAL / WORK EXPERIENCE.

UNIVERSITY OF NAIROBI.

Department of Veterinary Pathology, Microbiology and Parasitology.

***2023 Up to date:* Assistant Chief Technologist, Grade 11**

Currently working as Assistant Chief Technologist and also as Technologist in charge of Biochemistry laboratory where my duties includes;

- Supervise technical staff and ensure the department property and equipments are properly maintained.
- Assisting the Chairman of the Department in procurement of goods, services and equipment for teaching, diagnostics and research, Preparing annual budget estimates and Procurement plan for the department
- Assisting the Chairman of the Department in Performance Contract (PC) where am one of the PC Champions.
- Involved in Administrative duties such as assisting the academic trip coordinator in organizing academic trips for both undergraduate and postgraduate students and reconciliation of IGU Vote by receipting and invoicing of finances generated.
- Conducting and preparing practical material for both undergraduate and postgraduate students.
- Assisting post graduate students and Researchers in their research work especially in field sample collection and Lab processing of samples.
- Participating in Department Income generating activities (IGU) by Carrying out diagnostic Lab analysis of samples in Biochemistry Lab and Training of laboratory procedures to students from other institutions
- Writing and reviewing the Standard Operating Procedures (S.O.P) of Lab equipments and Processes
- Web Champion for Faculty of Vet. Medicine and Department of Vet, Pathology, Microbiology & Parasitology

***2018 – 2022:* Senior Technologist Grade DEF**

Worked as Senior Technologist in Biochemistry laboratory where my duties included;

- Conducting and preparing practical material for both undergraduate and postgraduate students.
- Assisting post graduate students in their research work especially in field sample collection and Lab processing of samples.
- Writing and reviewing the Standard Operating Procedures (S.O.P) of Lab equipments and Processes especially with the Ongoing AMR project
- Performing functional tests/servicing and keeping an inventory of laboratory equipments

- Supervising other junior technologists in Biochemistry laboratory
- Assisting the Chief Technologist in Procurement Process
- Updating and safe record keeping of ISO documents

OTHER RESPONSIBILITIES

I. Departmental and Research Projects Procurement

I am greatly involved in preparation of Procurement plans and procuring of Laboratory materials and Office stationeries for both the department and research projects that takes place in the department. Also, I have been appointed as an administrator for a number of research projects in the department where my role is to prepare procurement plans, carry out the procurement process of lab materials and stationeries and raising AIE's for research projects being carried out in the department.

II. Web Champion for Faculty of Vet. Medicine and Department of Vet. Pathology, Microbiology & Parasitology Website.

I am the Web Champion for Faculty of Vet. Medicine and Department of Vet, Pathology, Microbiology & Parasitology Website where my responsibilities include;

- Covering all the events taking place in the department and updating them in the departmental website as News to enhance preference as a web metrics parameter.
- Assisting lecturers, researchers and the technical staff in the department in updating University Profiles and Google Scholar Accounts so as to enhance transparency and excellence as a web metrics parameter
- Attending College webometrics meeting

III. Appointment in College Procurement Committees

I have served in the Faculty Procurement committees as follows;

- a) **Served as a Member** in the Technical Evaluation and Negotiation Committee.
- b) **Served as a Member** in the Inspection and Acceptance Committee.
- c) **Served as a Member** in Quotation Opening Committee.

IV. Student Management Information System (SMIS).

I am familiar with the Student Management Information System (**SMIS**), since am involved in Biometric Registration of first years and continuing students in the Faculty of Vet. Medicine.

V. *Nomination in the University of Nairobi Open Day (Year 2019 and 2020)*

In the year 2019 and 2020 I was nominated represent the Department of Vet. Pathology in the University of Nairobi Open Day which took place at CAVS (year 2019) and also virtually (year 2020)

VI. *Steward in the Nairobi International Trade Fair.*

Every year, I usually serve as a Steward in the Poultry and Pigs section at Nairobi International Trade Fair which is organized by the Agricultural Society of Kenya (**A.S.K**)

2014 – 2018: Technologist Grade ABC

Worked as Technologist in Bacteriology, Biochemistry and Histopathology laboratories where my duties included;

Bacteriology laboratory

- Conducting and preparing practical material for both undergraduate and postgraduate students.
- Carrying out routine diagnosis of bacteriological samples from Postmortem and from farmers
- Assisting both Undergraduate and Post graduate students in their research work especially in field sample collection and Lab processing of samples.
- Updating and record keeping of ISO documents
- Performing functional tests and keeping inventory of laboratory equipments

Histopathology laboratory

- Conducting and preparing practical material for both undergraduate and postgraduate students.
- Carrying out routine diagnosis of histopathology samples from Postmortem
- Assisting both Undergraduate and Post graduate students in their research work especially in field sample collection and Lab processing of samples.
- Updating and record keeping of ISO documents
- Performing functional tests and keeping an inventory of laboratory equipments

2010 – 2014: Junior Technologist Grade IV

Worked as a Junior Technologist in Media Room, Bacteriology and Biochemistry laboratories where my duties included;

Media Room.

- Preparation of bacteriological medias for undergraduate and post graduate students.
- Preparation of bacteriological medias for research work

- Performing functional tests and keeping an inventory of all equipments in media room
- Proper Update and keeping of ISO documents

Bacteriology laboratory

- Conducting and preparing practical material for both undergraduate and postgraduate students.
- Carrying out routine diagnosis of bacteriological samples from Postmortem and from farmers
- Assisting both Undergraduate and Post graduate students in their research work especially in field sample collection and Lab processing of samples.
- Updating and record keeping of ISO documents
- Performing functional tests and keeping an inventory of all equipments

Biochemistry laboratory.

- Conducting and preparing practical material for both undergraduate and postgraduate students.
- Assisting post graduate students in their research work especially in field sample collection and Lab processing of samples.
- Updating and record keeping of ISO documents
- Performing functional tests and keeping an inventory of all equipments

KENYA NEEM FOUNDATION.

February 2009 – December 2009

I was working as laboratory technologist in charge.

My duties included.

- Sample collection,
- Performing routine lab tests,
- CD4 CD8 cells count,
- Stock taking,
- Proper keeping of laboratory records.

TROPICAL SOIL BIOLOGY & FERTILITY (TSBF)—ICRAF.

July 2008 – October 2008

I joined TSBF an Intern where I worked for three months.

Sections covered included.

Molecular biology lab, I gained practical skills in,

- DNA extraction from soil samples,

- Amplification of DNA through PCR,
- Restriction Fragment Length Polymorphism (RFLP) of PCR products,
- Running Denaturant Gradient Gel Electrophoresis (DGGE) and Gel Electrophoresis.

Microbiology lab, I gained practical skills in,

- Preparation of bacteria culture,
- Isolation of rhizobium bacteria from root nodules,
- Culture of rhizobia bacteria in YEMA culture media and Extraction of bacteria DNA from liquid bacterial culture.

**KENYA AGRICULTURAL RESEARCH INSTITUTE,
BIOTECHNOLOGY CENTRE.**

April 2008 –June 2008

I joined KARI, Biotechnology Centre as an Intern where I worked for two months.

Sections covered included.

Animal tissue & cell culture lab, Plant tissue culture lab, Plant molecular lab, Insect bioassay lab and Green house.

I gained practical experience in,

- Media preparation & animal cell culture,
- Plant tissue culture,
- Preparation and running of Gels,
- Performing PCR & ELISA Test,
- Rearing of insects in the lab
- Acclimatization of plantlets in greenhouse.

CENTRAL VETERINARY RESEARCH LABORATORIES, KABETE.

February 2008 – April 2008

I joined CVL, Kabete as an Intern where I worked for two months.

Sections covered included,

Bacteriology, Virology, Serology & Mycoplasma Lab, Chemistry & Postmortem Room.

I gained practical experience in,

- Sample collections,
- Bacteriological media preparations,
- Bacterial culture & serotyping of bacteria strains,

- Diagnosis of animal diseases using, ELISA, Haemagglutination Test (HAT), Fluorescent Antibody Test (FAT), Complement Fixation Test (CFT) and Polymerase Chain Reaction (PCR).
- Isolation of viruses in egg embryo

LIBERTY MATERNITY & NURSING HOME, EMBU.

April 2006 - September 2006

I was working as laboratory technologist in charge and my duties included.

1. Performing routine lab procedures like, Widal test, Blood slide for malaria parasites, Stool examination for Ova & Cyst, Brucella test, V.D.R.L, Erythrocyte Sedimentation Rate (ESR), Cell count using coulter counter, Parasite identification in blood slides, Bacterial culture & sensitivity, Estimation of total serum proteins & albumin, Estimation of Na⁺, Ka⁺ and urea in serum
2. Stock Ordering

SEMINARS, WORKSHOPS AND TRAININGS ATTENDED

DATE	TOPIC	VENUE	AWARD
25 th – 28 th October 2023	Annual international faculty of Vet. Medicine scientific Conference	University of Nairobi, Dept. of PHPT	Certificate
12 TH October 2022	<i>Training on Turnitin Similarity System</i>	ONLINE	
1 ST – 5 TH March 2021	<i>Quality Assurance (QA) Training in Laboratory by Fleming Fund</i>	Vet. Pathology Museum Room CAVS	
10 TH February 2021	<i>Data Privacy and Security Awareness</i>	ONLINE	
13 TH July 2020	<i>Training on Online AIE</i>	ONLINE	
27 TH March 2020	<i>Administrators Training on Google Online Tools</i>	ONLINE	
24 TH June – 12 TH July 2019	<i>Practical Laboratory Training on Molecular Epidemiology of Zoonotic Foodborne, Vectorborne and Waterborne Pathogens</i>	CMR, KEMRI	Certificate
3 RD – 21 ST	<i>Molecular Epidemiology of Zoonotic</i>	Addis Ababa,	Certificate

June 2019	<i>Foodborne, Vectorborne and Waterborne Pathogens</i>	ETHIOPIA	
4 TH – 5 TH February 2019	<i>Molecular biology practical training on teaching HiMedia DNA Extraction and PCR Kits</i>	PHPT, CAVS	Certificate
5 TH - 7 TH September 2018	<i>Diagnostic Techniques for Surveillance of Antimicrobial Resistance Organisms in Kenya</i>	Vet. Pathology Large Lecture Theatre, CAVS	Certificate
10 TH - 11 TH August 2011	<i>Trends in Veterinary Parasitology</i>	Vet. Pathology Large Lecture Theatre, CAVS	Certificate
May 2011	<i>Transformation customer care</i>	Clinical Studies, CAVS	Certificate
18 TH May 2011	<i>Forensic Veterinary Sciences</i>	Vet. Pathology CAVS	Certificate

ACKNOWLEDGEMENTS IN RESEARCH PUBLICATIONS

1. **Project Title:** Anthelmintic Stewardship: Exploiting the Immune Strength at the Level of Host-Parasite Interaction”.
Principal Investigator: Prof. J.N. Chege.
2. **Project Title:** Assessment of a Rapid Test for the Detection of *Coxiella Burnetii* in Sheep and Goats in Kajiando and Narok County, Kenya
Principal Investigator: Prof. S.M. Githigia
3. **Project Title:** Occurrence, antimicrobial susceptibility and risk factors for the transmission of fish bacteria in small-scale farms in Kirinyaga County, Kenya
Principal Investigator: Prof. P.G. Mbuthia.
4. **Project Title:** Pathology and Haemato-Biochemical Changes and Economic Impact in Goats Feeding on *Opuntia Stricta* and Community Perception of the Plant in Laikipia County, Kenya.
Principal Investigator: Prof. P.G. Mbuthia.

5. **Project Title:** Haemato-Biochemical Parameters, Bacterial and Parasitic Infections of Indigenous Chicken sold in markets of Kiambu County, Kenya
Principal Investigator: Prof. L.C. Bebora.
6. **Project Title:** Enhancing indigenous village and smallholder commercial chicken productivity through use of effective Gumboro disease vaccination regimes and immune stimulants
Principal Investigator: Dr. Lucy W. Njagi.

REPORTS WRITTEN.

1. *Surveillance of Salmonellosis in patients between 18 years to 50 years at Embu Provincial General Hospital.*
2. *Molecular characterization of indigenous trees at International Centre for Agro forestry (I.C.R.A.F).*
2. *Determination of intestinal parasites in patients attending Embu Provincial General Hospital.*

HOBBIES

- Watching Movies
- Playing Football
- Listening to Music

REFEREES.

1. **DR. DAVIS N. KARANJA**
Chairman,
Dept. of. Vet. Pathology, Microbiology & Parasitology
University of Nairobi
Tel. 0722 557 883

2. PROF. ROBERT. M. WARUIRU

Associate Professor

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