

CURRICULUM VITAE

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BIO DATA

After

DATE OF BIRTH : 19th September 1975
SEX : Male
MARITAL STATUS : Married
NATIONALITY : Kenyan
ID/NO : 14409941
RELIGION : Christian
LANGUAGES : English, Kiswahili & Kikuyu

OBJECTIVE

- To be research technologist of a large organization and be part of multidisciplinary an successful senior staff in scientific field.
- To work in highly reputable institution and situations calling for total dedication, creativity, implementation of projects, evaluation and decision-making as per institutions vision and mission.

PROFESSIONAL QUALIFICATION

- **Higher National Diploma** in Laboratory Technology in applied Biology
- Computer Literate

EDUCATIONAL BACKGROUND

1983 – 1991: Lechugu Primary School
K.C.P.E attained (450 marks)

1992 – 1995: Komothai Boy's High School
K.C.S.E – Attained (C) plain.

PROFESSIONAL TRAINING

Sep, 2002 – Nov, 2003 : **KENYA POLYTECHNIC**

Attained **Higher National Diploma in Applied Biology**

CORE AREA COVERED

- Microbiology
- Animal Physiology
- Pharmacology and Toxicology
- Management and Statistics
- Research Project

Jan, 1999 – Nov, 2001 **MOMBASA POLYTHNIC**

Attained Diploma in applied Biology
K.N.E.C Certificate – PASS

CORE AREAS COVERS

- Microbiology, Immunology, Parasitology , Biochemistry
- Anatomy & Physiology of Plants and Animals
- Taxonomy, Ecology and Soil Science
- Pharmacology, toxicology and Histology
- Laboratory Practice & management
- Museum, Herberium, Vivarium & Acquirium
- Plant & Animal husbandry and Entomology
- Genetics, Cytology & Plant pathology
- Research project.

RESEARCH PROJECTS DONE

- *Invitro* Propagation of pineapples, *Ananas cosmosus* through plant tissue culture
- Prevalence of *Mycobacterium tuberculosis* in- patient visiting Mbagathi District Hospital in Nairobi.

OTHER TRAINING ATTENDED

1st Sep,2014-30th SEP ,2014; Attended WUHAN INSTITUTE OF VILOLOGY CHINA.

Atained; certificate in Epidemiology and pathogen Discoverly of
Wildlife in East Africa.

Sep, 1997 – March, 1998 : **Attended** :MOMBASA POLYTECHNIC
Attained :Pre-Diploma Certificate in K.C.S.E up-grading
Results :PASS.

CORE AREAS COVERED

Mathematics, English, Physics, Laboratory Practice, Technical drawing.

Feb, 2002 – May 2002 : **ESTIN COMPUTER COLLEGE**
Certificate in computer studies

PACKAGES COVERED

- Introduction to computer science
 - Windows 2000
 - Ms Word
 - Ms Excel
 - Ms Access
 - Ms Powerpoint
 - Internet & E-mail
 - PageMaker
- Result – **CREDIT**

WORKING EXPERIENCE

April, 2000 – Aug, 2000 **KENYATTA UNIVERSITY: BOTANY DEPARTMENT**
(PLANT AND MICROBIOLOGY SCIENCE)

Attachment

Duties and Responsibilities

- **Principles of plant pathology** i.e disease symptoms e.g leaf spot, blight, canker, dumping rootrot and rusting.
- Isolation of soil fungi, Isolation of fungi from diseased materials
- **Isolation of bacteria from infected plants**
- **General Microbiology** e.g use of microscopic and staining of bacteria e.g. Gramstain smears of Gram positive and Gram negative bacteria, sterility, aseptic technique and ‘pure’ culture isolation.
- **Water analysis** – Presumptive, confirmatory and complete tests
Holding capacity moisture content: Hydrogen & Bases and calibration curves, vegetation analysis e.g Frola, Frequency etc.
- **Herbarium techniques** – collection, pressing drying, mounting and storage.
- **Bacteriology analysis of milk and water.**
- **Nematology** – extraction from soil and roots, staining and mounting on a slide.
- **Biotechnology** – Stock solutions preparations, media preparation, callus initiation, shooting of plantlets, rooting and acclimatization
- How to use botanical and medical equipments and taking care of them e.g autoclave, balances, shakers, centrifuge etc.
- Assisting the technicians in practicals preparations and settings

June – July 2003: KENYATTA UNIVERSITY: ZOOLOGY DEPARTMENT

Attachment

Duties and Responsibilities

- Precipitation ring test, gel diffusion analysis, gram-stain techniques
- Pregnancy test, Media preparation & Sterilization
- Fixation, Dehydration, cleaning, impregnation, Embedding, attaching block to wooden holder, Sectioning techniques.
- Centomology, Animal husbandry ad Cell Biology e.t.c
- Assisting the technician in practical preparation and settings

Jan, 2002 – March, 2005: WORKED AT NDEKEI SECONDARY SCHOOL AS LABORATORY TECHNICIAN

Duties and responsibilities

- Organization and demonstrating practical sessions in Agriculture, Biology.
- Teaching Biology and Agriculture as per demand.

Aug, 2005 – July, 2007: WORKED AT JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY (J.K.U.A.T) in the department of MICROBIOLOGY as part-timer.

July, 2007 to date : WORKING AT JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY (J.K.U.A.T) In the Department of MICROBIOLOGY .

Duties and Responsibilities

- Preparation, organizing and demonstrating practical sessions in Medical mycology, epidemiology, principles of diseases control,

community health, Environmental microbiology, Ethics and risks in Microbiology general pathology plant cell, tissue culture, applied Microbiology, virology and medial techniques etc.

- Assisting the 4th Year students in technical research work.
- Responsible for the day to day activities in the laboratories.
- Provision of technical support to staff, post graduate and undergraduate students.
- Provision of support of services to academic, research, innovation and departmental income generating activities
- Conducting practicals to both undergraduate and postgraduate students
- Maintaining departmental facilities and equipment
- Maintaining cleanliness and conducive environment working condition in the laboratory.

Current Research project in progress

Bacteriological analysis of borehole water in Gitambaya – Ruiru district

ACHIEVEMENTS

I have successfully assisted fourth year and masters students in research projects in microbiology

HOBBIES & INTERESTS

- Reading
- Travelling
- Theatre

MEMBERSHIP AND AFFILIATIONS

- Church youth group – Chairman
- Young Christian students (YCS) – Secretary General
- Wildlife club – Member
- Environmental Science club – Secretary
- Small Christian community – Secretary

REFEREES

1. Dr. Andrew Nyerere.
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