

# **CURRICULUM VITAE**

**PAULINE MBULA MAKENZI**

## **PERSONAL MISSION**

- Consociation upholder of integrity with pleasant personality, flexible deposition and good sense of initiative and organization.
- Posses' excellent conceptual communications, interpersonal and advisory skills, open mindedness with non-judgmental attitude and ability to create support with person or clients contacts.
- Able to work independently as well as an accomplished team player.

## **CAREER OBJECTIVE**

- Seeking a challenging position in an enabling, elegant environment where my potential and qualifications, abilities and experience can be exploited to achieve strategic and/or business objectives of my employer.
- To work arduously in an institution where my potential will be recognize, treasured and developed to match the ever challenging office and for a personal actualization.

## **EDUCATION BACKGROUND**

<b><u>INSTITUTION</u></b>	<b><u>COURSE</u></b>	<b><u>YEAR</u></b>
TECHNICAL UNIVERSITY OF KENYA	ANALYTICAL CHEISTRY	2009-2011
DON BOSCO GIRL'S HIGH SCHOOL	K.C.S.E	2000-2003
KISOVO PRIMARY SCHOOL	K.C.P.E	1991-1999

## **WORK EXPERIENCE**

### **UNIVERSITY OF NAIROBI- DEPARTMENT OF ANIMAL PRODUCTION**

**DESIGNATION: Technologist ABC From Nov 2011 - July 2017**

**: Senior Technologist From July 2017 upto date.**

### **RESPONSIBILITIES**

- Assisting post graduate students on their research projects.
- Assisting in general maintenance, organization and cleanliness of the laboratory
- Assisting in proximate analysis
- In charge of Departmental Stationery Store
- Maintain Departmental website.
- Data for student attendance analysis and any other duty assigned by the Chairman
- Handling office petty cash

### **AREA COVERED**

#### **Nutrition Laboratory**

- Taking students through proximate analysis i.e. determination of nutritive components of an organic feed sample i.e dry matter, ash, crude fiber, crude protein and ether
- preparing solutions for carrying out proximate analysis
- Working on customers samples i.e. drying, grinding, and carrying out proximate analysis.

#### **Invitro/in-sacco Laboratory**

- For insacco its determination of rate of degradability of feed sample using a live rumen.
- For invitro is the determination of digestibility of feed sample by the 2-stage 96hours incubation.

#### **van soest laboratory**

- Which includes fractionating the crude fiber into various components including NDF,ADF AND lignin

#### **Mineral Laboratory**

- It entails determination of mineral content of an organic feed sample using flame photometer, atomic absorption spectrophotometer and UV spectrophotometer.

#### **Stationery store keeper**

- Keeping record of the department's stationery store recording, ordering and distributing stationery to the members of the staff.

### Departmental website

- Updating departmental website with news, photos, documents and any necessary data required.

### COOPER (K) BRANDS

**DURATION: November 2010 - October 2011**

I worked as in-process quality control personnel.

### AREA COVERED

#### Material warehouse

- Sampling of raw materials e.g. cobalt sulphate, concentrated wax, dichlorophen, oxyclozande, levamisole and taking them for laboratory analysis.
- Sampling and quality checking of packaging materials e.g. plastic bottles, glass bottles, jars, cartons.
- Receiving the market returns and checking the quality of the products.
- Making sure the waste is disposed safely.

#### Pharmaceutical/ Acaricide s plant

- Checking the calibration of weighing balances.
- Sampling the drugs and taking them for analysis.
- Checking the status of water.
- Checking the dispensing of raw materials, following the formulation of drug e.g. drench line, bolus line, and milking salve, triatix, grenage.
- Checking the cleanliness and monitoring of temperature.
- Checking the weight of powders, milking salve and volume of drench to make sure they are within the limits(in-process controls)

### INSTITUTION: LUED (A) CHEMICALS LTD

**DURATION: September 2008 to October 2010**

Worked as a Technical advisor/Customer care.

### AREA COVERED:

- Preparation of chemicals and pathological stains.
- Repacking chemicals and stains.
- Attending the clients.
- Responsible for customer's orders.
- Transferring calls, taking messages, assisting all inbound calls in absence of managers when needed.
- Responsible of the day to day running activities of the organization.
- Petty cash and filing petty cash vouchers
- Servicing local purchase orders.
- Assist tender committee to compile tender documents.
- Any other relevant duty assigned by management.

### INSTITUTION: NATIONAL QUALITY CONTROL LABORATORY

**DURATION: December 2007- April 2007(attachment)**

### AREA COVERED:

#### Wet chemistry laboratory

Doing different tests using different spectroscopic techniques with different spectrometric techniques.

**Tests-**Dissolution, chromatographic, friability, uniformity of weights, disintegration

#### Chemical analysis

- HPLC analysis
  - 1) Analysis of pharmaceutical raw and finished materials.
    - Tablet pre-formulation, tablet and capsule assay, tablet stability, drug assay, blend uniformity, dissolution testing, dosage form development, particulate removal, sample clarification.
  - 2) General HPLC trouble shooting
    - Baseline related problems
    - Pressure related problems

- Peak shape problems
- Peak size and retention problems
- 3) Results and documentation
  - Polarimetry -1) sample preparation
    - 2) Sample analysis i.e. rotation of glucose containing substances.
  - UV Spectroscopy – 1) sample preparation
    - 2) Sample analysis, resulting and documentation.
  - Titrimetry –non aqueous titration.
    - standardization of compounds
  - Calibration of machines-pH machine, polarimeter, UV spectrophotometer, IR spectrophotometer.

### **MICROBIOLOGY LABORATORY**

- Microbial Assays
- Sterility testing-direct inoculation
  - membrane filtration
- Microbial load testing

### **INSTITUTION: AUTOSTERILE (E.A) LIMITED**

**Duration: September – November 2006(Attachment)**

### **CHEMISTRY LABORATORY**

- Analysis of raw materials-glucose, dextrose, sodium chloride,
- Checking quality of packing materials i.e. sterility, graduation, bottle size, neck size, lid.
- In process analysis of intravenous fluids i.e. sodium lactate, normal saline, calcium chloride, 5% and 50% glucose, total chlorides 1/2 narrows
- Analysis of purified water –testing ammonia, pH, conductivity, sulphates, chlorides, calcium, carbon dioxide, oxidisable substances, hardness  
Microbiological testing of purified water included:-bio-burden and endotoxin.
- Calibration of machines-pH machine, polarimeter, UV spectrophotometer, IR spectrophotometer, flame photometer.

### **MICROBIOLOGY LAB**

- Microbial Assays
- Sterility testing-direct inoculation
  - membrane filtration
- Microbial load testing
- Preparation of culture medias

### **CLUB MEMBERSHIP& RESPONSIBILITIES**

- I was a as a class representative in Form one at Don Bosco Girls.
- I was a time Keeper in Form Two
- I was a dinning Representative in form three.
- I was Youth Treasure at Nzaikoni Catholic Church in 2004.
- I'm currently under the volunteer recruitment and membership programme with the St.John`s Ambulance.

### **AMBITION**

To become a recognized and all rounded analyst in fields of analysis, results oriented laboratory safety and planning, control advisory among others. To achieve this I am willing to combine hard work, excellence and skills advancement in all my undertakings.

### **HOBBIES**

My hobbies include reading\_and watching educational documentaries and helping the needy in the society among others