

JOEL KALAMA NZARO
Tel: +254 724 987 879/ +254729971635
P.O BOX 1615 – 80108 KILIFI
Email nzaro.joel@yahoo.com

POSITION : LABORATORY TECHNICIAN AT PWANI UNIVERSITY

: PO. BOX 195-80108, KILIFI.

DEPARTMENT : BIOCHEMISTRY AND BIOTECHNOLOGY

SCHOOL : PURE AND APPLIED SCIENCES

CAREER OBJECTIVE: I desire to work in a position that offers an opportunity to utilize my skills so as to meet institutional goals as well as my goals.

Technical skills

Biochemistry

- ✓ Agarose gel electrophoresis
- ✓ Spectrophotometer (spectrum, photometric)
- ✓ Thin layer chromatography (T.L.C) using different solvents
- ✓ Biochemistry tests e.g. starch hydrolysis, indole test, catalase, coagulase etc.
- ✓ Cell fractionation to separate the cytosol, mitochondria and nuclear parts
- ✓ DNA extraction from various samples.
- ✓ Preparation of buffers/reagents (EDTA, TBE, TE, CTAB, GTE v/v, w/v)
- ✓ Quantification of DNA samples using the Nano drop machine
- ✓ Extraction of bacterial DNA using kits *δHelicobacter pylori*

Microbiology

- ✓ Gram staining technique
- ✓ Isolation of fungi from disease tissues
- ✓ Media preparation, aseptic techniques and sterilization techniques
- ✓ Dual plating technique (bacteria versus fungus)
- ✓ Assessing the efficacy of some plants extracts against *Escherichia coli*, *Staphylococcus aureus*. etc
- ✓ Isolation of bacteria from soil samples, counting the number of colonies

Educational background

2009 – 2011

T. E.P KNEC Diploma in Applied Biology from Kabete Technical Training Institute Nairobi.

2004 – 2007

Kenya Certificate of Secondary Education (KCSE) - Galana Secondary School

WORK EXPERIENCE

PERIOD	POSITION	INSTITUTION
2015 to date	Laboratory technician	Pwani University
2014	Laboratory technician	Ganze Girls Secondary School
2012-2013	Untrained teacher	Kilifi Daystar Secondary

Awards

Awarded a certificate after attending a seminar on advances in molecular diagnostic using Qiagen kits (2015) by Biozeq at Pwani University

Awarded a certificate on first aid after attending a training seminar in Mpeketoni, Lamu County (2006)

Hobbies.

- ✓ Playing soccer
 - ✓ Adventuring to new places.
 - ✓ Reading scientific research journals. (Proteomics).
-

Referees

Please feel free to contact the under mentioned regarding my competence and work ethics

1. Mrabu Elisha

Research Scientist

Kenya Marine and Fisheries Research Institute,

Tel: 0712257322

2. Ms. Christine Karemba

Assistant Public Health Officer Vishakani Dispensary, Kaloleni

Tel: 0723728490

3. Mr. Benedict Chengo

Laboratory Technologist Kenya Medical Research Institute (KEMRI), Kilifi

Tel: 0728 544 529
