

CURRICULUM VITAE FOR ALOO DENISH

BIO DATA

Name: ALOO DENISH

Nationality: Kenyan

Lingual Ability: Proficient in spoken and written English and Kiswahili

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Career Objectives

With the understanding that personal development is paramount into keeping in touch with the first changing technological world, I have noted below as my career objectives forecast:

- I aspire to serve with the utmost diligence, to always exude professionalism while enhancing my personality through positive interactions and to make a difference in the community at large
- To advance my academic profession to the level of masters and doctorate levels.
- My lifelong career objective is “to live, to love, to learn and to leave a legacy.”

ACADEMIC BACKGROUND

<u>YEAR</u>	<u>INSTITUTION</u>	<u>COURSE/LEVEL</u>	<u>QUALIFICATION</u>
2021 to Date	Chuka University	Master of Science in Biochemistry	Ongoing
2013 to 2017	Chuka University	Bachelor of Science in Biochemistry	First Class Honours
2009 to 2012	Mbita High School	Secondary Level	Mean grade A- in Kenya Certificate of Secondary Education (K.C.S.E)
2001 to 2008	Olando Primary School	Primary Level	Grade B+ in Kenya Certificate of Secondary Education (K.C.P.E)

Professional Short Trainings.

YEAR	INSTITUTION	COURSE/LEVEL	QUALIFICATION
August 2022	National Geographic Society	Scientific Expeditions for Conservation	Certificate
July 2021	Columbia University and North Carolina A&T	Air Quality Certificate Program	Certificate(Yet to be provided)
October 2020	Marble Q Consultants Ltd	Internal Quality Audit Course based on ISO 17025:2017 & ISO 19011:2018	Certificate
March 2020	Lean Systems Consultants Ltd	ISO/IEC 17025:2017 Implementers Training	Certificate
Aug 2019	Rocky Driving School	Driving	Driving License
May 2017	Young African Leaders Initiative (YALI)	Responsible Leadership on Transparency and Good Governance	Certificate
Sep 2015	Kenya Red Cross	Senior First Aid and Safer Access	Certificate

WORK EXPERIENCE**1.**

YEAR	ORGANIZATION	POSITION
June 2019-To Present	CSI International Ltd	Microbiology Analyst

Duties

- To analyze routine and non-routine samples according to instructions and prescribed methods.
- Collect samples from a variety of locations in accordance with guidelines.
- To calibrate equipment according to the requirements.
- Prepare microbial **media**; detect, enumerate, isolate and make cultures of bacteria or other microorganisms, controlling moisture, aeration, temperature, and nutrition.
- Perform **biochemical** tests, serological tests, **staining** procedures and **microscopy**.
- To standardize solutions used in analysis

- Prepare technical reports and make recommendations based upon research outcomes, ensuring that raw data work sheets and transferred results are authorized by name and signature.
- To understand the software, how to file documents, how to load documents, how to load samples, how to run samples, software interpretation.
- To request replacement consumable as and when necessary.
- To maintain Quality Assurance Standards in accordance with the company policy.
- To participate in proficiency testing and proficiency data shall be evaluated, summarized and plotted to determine competency.
- Support all junior/trainee analysts.
- To have the knowledge and understanding of the ISO 17025:2005 International Standards requirements, as well as the management system.
- To maintain good housekeeping and good laboratory practice.
- Perform any other reasonable and lawful duties that may be necessary dependent upon the company.

2.

YEAR	ORGANIZATION	POSITION
Nov 2018- Dec 2019	Kenya Marine and Fisheries Research Institute (KMFRI), Kisumu Centre	Volunteer Research Intern

Duties; and practical skills gained

- Determination of **physiochemical parameters**, measurements of primary productivity, chlorophyll pigments and algal counts, BOD, TSS, TDS.
- **Gram staining** procedures, preparation of bacteriological culture media, inoculating of samples, proximate analyses.
- **Field work**, for instance, I participated in fieldwork on Monitoring and mapping of water hyacinth and other floating macrophytes in Lake Victoria for improved water hyacinth surveillance to inform resource users and report quarterly
- **Data analyses** trainings including MS Excel and QGIS (Quantum Geographical information system)
- Aquatic research laboratory practice and organization procedures
- Classification, identification of fresh water fishes and fish species of Lake Victoria, rivers and their ecological habitats

3.

YEAR	ORGANIZATION	POSITION
Jan 2017-March 2017	Kenya Bureau of Standards (KEBS), Nairobi HQ	Attaché

Practical skills gained

- **DNA extraction** using gene and cell technologies, master mix (simple PCR)
- **GMO analysis** and visualization using transilluminator
- Preparation of samples for analysis
- Analysis of various samples and reading results including: food drinking water, cosmetics and body appliances for pathogenic microorganisms.
- Media preparation, sterilization and autoclaving of media glassware
- Sample weighing, inoculation and incubation
- General housekeeping

4.

YEAR	ORGANIZATION	POSITION
July 2015-Aug 2015	Kenya Marine and Fisheries Research Institute (KMFRI), Kisumu Centre	Attaché

Duties; and practical skills gained

- Use of Lake Victoria Standard Operation Procedures (SOPs) used for sampling and collection of data by LVFO affiliate institutions
- Sample collection, classification and identification of algae
- Determination of physiochemical parameters, measurements of primary productivity, chlorophyll and algae, BOD, TSS, TDS
- Museum curation techniques (fish and plants)
- Food and feeding habits of various fish species
- Fish husbandry, aquarium construction and hatchery
- Microscopic examination and enumeration of bacteriological colonies from cultured plates.

LEADERSHIP SKILLS AND PERSONAL ACHIEVEMENTS

In the course of my growth and development, I have handled responsibilities such as:

- I. Jan 2018- to Date: Deputy Secretary of Olando for Prosperity CBO (Community based Organization)
- II. Jan 2016- Jan 2017: Speaker of the Congress of the Chuka University Students Association
- III. Jan 2015- Jan 2017: Representative of the Faculty of Science, Engineering and Technology in the Chuka University Students Association
- IV. Nov 2014- Nov 2016: Chairperson of Chuka University Biochemistry Student Association. (CUBSA)
- V. 2013- 2017: Class Representative; at Chuka University
- VI. 2014- 2015: Year fellowship IT Coordinator; Chuka University **Christian** Union
- VII. 2014: High School Teacher, at City Shine High School
- VIII. 2011-2012: Health Captain; at Mbita High School
- IX. 2010-2012: High Scout's Member and a first aider; at Mbita High School

Professional Body Membership

A member of the Society for Biomedical-Biotechnology Research (SBBR) – the organizers of Africa International Biotechnology and Biomedical Conference (AIBBC)

Skills

- Research skills
- Analytical skills
- Computer application skills and data presentation.
- Quality control and Quality Assurance
- Data Entry and Statistical data analysis
- Report writing and recommendation's
- Internal quality audit
- Time management skills
- Driving skills

HOBBIES AND INTERESTS

Vocationally I am interested in Career development therefore I **read science and business journals** and participate in **team building, community work** and **group activities**.

For leisure I prefer;

- Reading self-motivation and inspirational material
- Giving motivational talks
- Adventures and travelling
- Teaching, listening and debating.

REFEREES

Name	Position	Company Name	Contacts
Prof. Dickson M. Andala	Department Of Chemistry	Multimedia University Of Kenya	Email: dandala@mmu.ac.ke Tel: +254705204610
Dr. Silas Kiruki	Senior Lecturer, Section Head	Chuka University	Email: kirusila@yahoo.com Tel: +254720450969
Prof. A. Magana	Dean, Faculty of Science, Engineering and Technology	Chuka University	Email: adielmagana@yahoo.com Tel: +254723 147273