

CURRICULUM VITAE

CRISPUS MICHIRA NYAUNDI

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CONTACT INFORMATION

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PERSONAL INFORMATION

Date of Birth: 7th March 1993

Id No: 29600155

Passport No: AK0004741

Sex: Male

Marital status: Single

Nationality: Kenyan

Languages: English, Swahili and Ekegusii

SUMMARY/CAREER OBJECTIVE

Background in Biotechnology and professional expertise in product quality and safety management systems. More than 6 years of exposure in research laboratory set-up. Experience in carrying out ELISA to test protein product's performance, basic techniques to make products including RNA/DNA isolation, cDNA synthesis, laboratory protocols, quality procedures and analytical instrumentation.

WORK EXPERIENCE

March 2017- Present: **London Distillers (K) Ltd**

Environmental Health & Safety Officer

Key roles



- ❖ Conducting environmental monitoring and water testing in critical manufacturing & packaging areas.
- ❖ Following safe operating procedures and Material Safety Data Sheet (MSDS) guidance applicable to work performed.
- ❖ Evaluated samples for the presence of objectionable microbial organisms using manual techniques
- ❖ Ensuring use of personal protective equipment and engineering controls (e.g., fume hoods) appropriate to their work.
- ❖ Participating in inspections and monitoring programs.
- ❖ Ensuring maintenance of quality standards through-out product life cycle to resultant waste generation
- ❖ Overseeing safety/quality management systems in the quality control laboratories

October 2016- February 2017: **National Environment Management Authority**

Environmental Health Intern

- ❖ Compilation of field quarterly and annual progress reports
- ❖ Processing of effluent discharge licenses, EIA licenses, and vibration permits for developments and industries
- ❖ Investigating incidents on industrial health and safety such as pollution, accidents at work, noise control, toxic contamination, food poisoning and waste management.
- ❖ Regular environmental auditing and environmental impact assessments.
- ❖ Analysis of good manufacturing practices and evaluation of product during industrial audits
- ❖ Monitoring environmental and health standards according to current industrial regulations and standards

April 2016- August 2016: **Kenya National Cleaner Production Center (KNCPC)**

Cleaner production and Environmental Sustainability Intern

Key functions:

- ❖ Analysis of industrial manufacturing processes and product for improvement.
- ❖ Ensuring compliance with quality control standards during industrial audits
- ❖ Assessment of overall Product Life Cycles
- ❖ Preparation of reports and documentation required by various regulatory agencies e.g. NEMA and the Pharmacy and Poisons Board.
- ❖ Review of environmental and quality policies for different industries during audits

Professional Skills acquired

- ❖ Training in Environmental Impact Assessment and Auditing and expertise through industrial audits and preparation of reports.
- ❖ Working knowledge in Resource Efficient and Cleaner Production in industries
- ❖ Quality and Environmental Safety Management Systems

Sep 2015- March 2016: **Crème Research Limited (Start-Up Research Company)**

Operations and Marketing Manager

Key functions:

- ❖ Day to day customer queries and marketing through various face-to-face interactions.
- ❖ Maintenance and documentation of reports regarding to projects
- ❖ Created PowerPoint presentations for project meetings
- ❖ Performed general office support and administrative tasks as required
- ❖ Monitored project tracking systems

Nov-Dec 2014: **Kenya Agricultural & Livestock Research Organisation (KALRO)**

Research Scientist**Key functions:**

- ❖ Tissue culture micro-propagation of different indigenous and exotic plants
- ❖ Involved in research on the Maize Lethal Necrosis Virus and Sugarcane Mosaic Virus
- ❖ Extraction of nucleic acids using different solvents
- ❖ Carried out analytical methods of dissolution, distillation, filtration and gravimetric to ensure a thorough analysis of the samples
- ❖ Assisted in laboratory move across buildings that involved, decontamination of current facilities according to all Bio Safety standards, along with adhering to these in the setup of a new laboratory.
- ❖ Designed and executed ELISA experiments working with both human and mouse IgG in a variety of sandwich assays.
- ❖ Assisted in verification of proceedings of research activities with the predicted charts
- ❖ Performed Phage display experiment, using phage library and panning techniques to determine suitable binding of antibodies.

Jan-April 2014: **Kridha Limited, Water Treatment Company**

- Performed qualitative and quantitative analysis of given samples to deduce the chemical composition, nature and reactive tendencies of the given components
- Developed analytical techniques that reduce time and achieve superior results
- Ensured compliance of the laboratory work with the principles, standards, procedures, and safety measures set by regulatory bodies.
- Prepared necessary solutions, reagents, chemicals and calibration and confirmed the standards
- Interpreted the research findings and draw conclusions, based on research reports

Jan-May 2013: **St. Anatole Nyanchonori Mixed Secondary School**

Teacher and Head of Science Department

- ❖ Taught Chemistry Form 3 & 4 and Biology Form 2, 3& 4 classes. I also helped in coaching and mentoring the students in sciences & as assistant Head of sciences Department.

Jan-May 2012: **Royal Roma Academy Kitale**

Helped in coaching and mentoring upper primary pupils.

ACADEMIC QUALIFICATIONS

2011-2015: **Kenyatta University**

Bachelor of Science Biotechnology.

2011(Jan-May): **St. Ann's College**

Proficiency in computing fundamentals, MS Office applications, use of internet and e-mail in which I attained a Distinction. From this I mastered the ability to work well with computerised equipment.

2007-2010: **Maranda High School**

Mean of A- (77 points): English: A-, Kiswahili: A, Maths: C+, Biology: A, Physics: B, Chemistry: A-, C.R.E: A, Agriculture: A.

Membership to Professional Bodies

- ❖ Member of the Environmental Institute of Kenya (EIK)
- ❖ National Environmental Management Authority licensed Environment expert (License Expert No.8976)

SKILLS AND CORE COMPETENCIES

- Knowledge of chemistry, instrumentation, software applications and statistics required for accurate data interpretation
- Skilled in analytical techniques of sampling, defining, concentrating and preserving samples
- Expertise in handling tools, equipment, and techniques to conduct chemical research
- Excellent report-making and presentation skills that help present complex data in easy-to-read format
- Strong time management, task management, and decision making abilities

INTERESTS

- I enjoy travelling and volunteer activities and volleyball. I also enjoy tennis and was a member of the Maranda High School Tennis Club.

REFERENCES:

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