

Profile

- Demonstrated achiever, a team player, creating synergy among people and attending to all jobs allocated in line of duty in time and in the correct way as required by the procedures/work instructions.
- Strong chemistry and quality management background combined with fluency in both Swahili and English languages.
- Experienced chemist in chemical process analytics, NIR method development, wet chemistry analytical work, dry chemistry technology, research & development, quality management in analytical laboratories and chemical product inspection/development.
- Extensive computer training and experience, including knowledge of multiple networking environments and business software packages for ERP, chemical analysis and Laboratory Management System (LIMS).
- Knowledge and experience on ISO standards; ISO 9001 and ISO 17025.
- Expert in Estimation of Measurement Uncertainty in Chemical Analysis and Method Validation.

Skills

Chemical Analysis, writing of SOPs, Analytical Instrument Calibration, Estimation of Measurement Uncertainty, Analysis of Plant Material, Food Analysis, Quality Assurance, Quality Control, Sugar Processing, Process Analytics, Scientific and Social Research, Calibration/Operation of Near Infrared Instrument, Cane Analysis, Sugar Analysis, Soil Nutrient/Manure Analysis, ISO 17025, ISO 9001, Water/Effluent/Sludge Analysis, Microsoft Office, Total Quality Management, Statistical tools for Quality, Designing for Quality, Inspection for Quality, Human Resource Management.

Work History

Chemist/Sugar Technologist
Agriculture & Food Authority
July 2017 - Present

- Incharge of Kwale Sugar Company Cane Testing Unit Laboratory.
- Coordinate and participate in a variety of technical tasks in the performance of the Cane Testing Unit analytical work to obtain accurate data for use in the sucrose/quality based cane payment system.

Laboratory Technologist
*Kenya Agricultural & Livestock
Research Organization*
Dec 2013 - June 2017

- In-charge of staff, the daily operation and management of a cane testing unit established at Nzoia Sugar Company to determine the viability of sucrose based cane payment system (farmer payment based on quality).
- Calibration development and maintenance for Bruker Matrix F NIR spectrometer.
- Supervision of wet chemistry analytical work.
- Assessment and procurement of laboratory materials/items.
- Supervision of maintenance of the cane core sampler, laboratory cane shredder and other laboratory equipment/instruments.
- Laboratory data management & production of cane payment of reports.

**Senior Laboratory Analyst/
Assistant Quality Controller**
*Kibos Sugar & Allied Industries
Limited*
Jan 2012 - October 2013

- Held key responsibility in controlling quality of raw materials, sugar processing materials, process water & sugar.
- Assisted in implementation and maintenance of Laboratory Quality Management system, ISO 17025:2005.
- Oversaw calibration of laboratory equipment/instruments.
- Preparation of daily, monthly and status report.

Assistant Research Scientist
Kenya Sugar Research Foundation
(KESREF)
Jan 2008 - Dec 2011

- Collaboratively identified and evaluated research work on sugar processing, environmental pollution, utilization of sugar processing co-products and laboratory analytical methods.
- Supervised analytical work on sugarcane, sugar, co-products of sugar processing, soil, plant tissue, fertilizer, water & waste water/effluent.
- Reviewed KESREF's laboratory analytical documents, making an impact on the improvement of ISO 9001:2008 and ISO 17025:2005 systems.
- Successfully worked on a research study entitled "Efficiency Use of K & N Fertilizers" at KESREF, achieving the research targets.

Intern/Volunteer Environmental Chemist/Water Chemist
Lake Victoria South Water Services Board
Jan 2007 to Dec 2007

- Analysis of industrial effluent, domestic effluent, portable water, heavy metals on environmental samples and pesticide residue.
- Analysis of river and lake water within the Lake Victoria South Board region to assess the extent of water pollution.
- Monitoring zoo and phytoplankton of Lake Victoria.
- Microbial water analysis.
- Laboratory data management

Education

Kenya Institute of Management,
2010-2011

Diploma in Management (Total Quality Management), Upper Credit

University of Nairobi, *2002-2006*

BSc (Chemistry), Second Class Honors

Kisumu Boys High School, *1996-1999*

KCSE, Grade B plain

Hobbies and Interests

- Reading scientific & quality management journals.
- Searching the internet for new ideas and technologies on analytical sciences, processing technologies, project management, water resource management, water quality management and total quality management.
- Listening to music of different ethnic and cultural background.
- Volunteering in community development projects, giving technical advice where applicable.

Referees

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