

VIVIAN GACHERI MPEKETHU

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SENIOR CHEMIST

Dedicated Senior Chemist with analytical and technical experience in government laboratories. Hands-on experience in HPLC, LC/Mass Spectrometry, GC-MS, UV-VIS, FTIR, GC, analytical and wet chemistry, proximate analysis, and quick tests which include both protein and chemical purification techniques.

Proficient in English, Kiswahili, MS Office Suite, regulatory compliance, and skilled in staff training, and project management.

PROFESSIONAL EXPERIENCE

MINISTRY OF HEALTH- GOVERNMENT CHEMIST

April 2016 – Present

Ministry of Health-managed, legal referral laboratory, that offers forensic and analytical laboratory services in the field of public and environmental health and in the administration of justice.

SENIOR CHEMIST

Handling forensic exhibits, including receiving, stocking, analyzing various exhibits such as narcotic drugs, food and drugs, and alcoholic beverages.

- Analyzing samples at sites of incidence and performing field tests.
- Conducting various forms of laboratory tests including mycotoxin analysis, alcohol analysis, screening of unknown samples, elemental analysis, and analysis for drugs and pesticides.
- Performing food samples analysis at the food and drugs laboratory.
- Preparing reports summarizing findings and keeping proper records for good chain of custody.
- Serving in the Occupational Safety and Health Committee, accountable for formulating and reviewing the health and safety policy, identifying safety gaps and originating recommendations for improvement.
- Steering talent development through the training of students on industrial attachment at the laboratory.

MINISTRY OF HEALTH- GOVERNMENT CHEMIST

September 2012 – 2016

Legal referral laboratory that offers forensic and analytical laboratory services in the field of public and environmental health, and in the administration of justice.

CHEMIST I

Coordinated exhibit reception, storage, and sampling activities.

- Received narcotic drug exhibits from police officers and performed exhibit analysis.
- Ensured proper storage of the exhibits.
- Sampled large consignments of drugs seized by law enforcement authorities.

- Drafted and submitted reports to clients.
- Coordinated safe record keeping of the analysis.

EARLY CAREER

AUKI DAY SECONDARY SCHOOL

February – August 2012

Religious organization-sponsored mixed day school located in Itumi Sub-location, Meru County.

CHEMISTRY, PHYSICS & MATHEMATICS TUTOR

Delivered Chemistry lessons to Form One to Four students, Physics to Form Two students, and Mathematics lessons to students in Form One. Prepared students for Science Congress competitions, successfully advancing to national-level.

MINISTRY OF ENVIRONMENT & MINERAL RESOURCES

June – August 2008

Government Ministry mandated with the protection, conservation, and management of the environment and natural resources in Kenya.

ATTACHE- CHEMISTRY LABORATORY, MINES & GEOLOGICAL DEPARTMENT

Conducted whole rock/refractory materials analysis, geochemical analysis, and instrumental analysis. Ensured laboratory cleanliness and proper handling of laboratory equipment. Maintained laboratory records including consumables, inventory of analytical results, and sample registration records.

EDUCATION & TRAINING

Msc. Environmental Chemistry
University of Nairobi (In Progress)

Bachelor of Science, Industrial Chemistry
Kenyatta University (2006 - 2010)

Certificate in Computer Packages & Internet
Tec Labs Computer & Electronics College (2009)

TRAININGS & WORKSHOPS

Basic Analytical Chemistry Course – OPCW, Rijswijk- The Netherlands (June 2018)

ISO 17025 – The Government Chemist (May 2018)

Strengthening Regional and National Capacities in Limitation of Environmental Consequences – CBRN (Sept 2017)

Remediation of Contaminated Sites – CBRN (September 2017)

Strengthening National Capacities in Limitation of Environmental Consequences– CBRN (March 2017)

Technical Introduction to Licensing of Strategic Trade Commodities – NISA- USA (March 2016)

REFERENCES

William K. Munyoki

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Patrick Nyaoke

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