


CURRICULUM VITAE

Somo Qalla Bilalo, MSc.

B.Ed. Sci Hons (MUT), MSc. Chemistry (MUT), Ph.D. Chemistry. Ongoing (MUT)

| Basic Information | |
|-------------------|---|
| Name: | Somo Qalla Bilalo |
| Nationality: | Kenyan |
| Contact: | somo@mut.ac.ke , soqabilasho@gmail.com +2547 40221355 |
| Photo: |  |

ONLINE PROFILES

| | |
|-----------------|---|
| Google Scholar: | https://repository.mut.ac.ke/xmlui/handle/123456789/6438 |
| Publications: | http://www.ijrar.org/papers/IJRAR24B2388.pdf |

PERSONAL PROFILE

I am a dedicated and results-driven professional with a strong ability to adapt to new challenges and environments. I am known for my excellent organizational skills, self-motivation, and a proven track record of working efficiently both independently and as part of a team. I am committed to delivering high-quality results with a focus on continuous improvement and achieving set objectives, even in fast-paced or high-pressure situations.

OBJECTIVE;

My objective is to secure a role that aligns with my academic qualifications, skills, and talents, where I can contribute to the growth and success of the organization. I aim to add value through exemplary service, utilizing my skills effectively, taking on responsibilities, and embracing teamwork. I am committed to continuous learning and dedicated to achieving goals and targets set before me, ensuring the highest standards of performance.

RESEARCH INTEREST AREAS

- [1] Analytical Chemistry.
- [2] Environmental Chemistry.
- [3] Material Science.

EDUCATION BACKGROUND;

- Doctor of Philosophy in Chemistry (Ph.D. Chem): Murang'a University of Technology (September 2024, Ongoing).
- Master of Science in Chemistry (MSc. Chem): Murang'a University of Technology (Degree Awarded in the 2024 Graduation Ceremony). Thesis Title:“**ANALYSIS OF SELECTED HEAVY METALS AND THEIR CORRELATIONS IN TOMATOES, SOILS, AND COMMONLY USED INORGANIC FERTILIZERS IN KIRINYAGA COUNTY, KENYA**”.
- Bachelor of Science in Education (B.Ed Sci): Murang'a University of Technology (Degree Awarded in the 2021 Graduation Ceremony). **First Class Honors.**
- Computer Packages: What if? Computer college: Distinction Certificate Awarded (Jan – May 2017).
- Kenya Certificate of Secondary Education: Dakabaricha Secondary School: Grade (C+) (Jan 2013 – Nov 2016).
- Kenya Certificate of Primary Education: Manyatta Jillo Primary School: Marks (300) (Jan 2005 – Nov 2012).

PROFESSIONAL BODIES;

- **TSC:** Status- Registered (Teacher Registration Number: **975930**)

CURRENT PRIMARY AFFILIATION/INSTITUTION

| | |
|--------------------------------|--|
| Department/Division: | Department of Education |
| University/Institution: | Murang'a University of Technology, Kenya |
| City: | Murang'a |
| Country/Region: | Central Kenya |

CURRENT EMPLOYMENT;

Graduate Assistant (GA): Murang'a University of Technology, School of Education, Department of Education and Technology.

Duties:

- [1] Conducting research in relevant areas of interest.
- [2] Assisting senior academic staff with research and lecture content development, as needed.
- [3] Supporting senior academic staff in the administration of practical classes, Continuous Assessment Tests (CATs), and Exam invigilation.
- [4] Administer lecturers to Undergraduate, Diploma and Certificate class where applicable.
- [5] Coordinating and mentoring students in diploma and certificate programs.
- [6] Preparing, administering, and grading examinations for diploma and certificate classes.
- [7] Marking examinations and processing student's marks where applicable.
- [8] Assisting with departmental and School management activities.
- [9] Providing mentorship and academic advising to diploma and certificate students.
- [10] Participating in curriculum development and review processes.

WORK EXPERIENCE;

| Dates' | Institution | Field |
|-----------------------------|-------------------------------------|--|
| April 2020 to December 2020 | Presidential Kazi Mtaani Initiative | Supervisor |
| Jan 2021 to May 2021 | Karima Secondary School | Teaching Practice |
| October 2022 to Date | Murang'a University of Technology | Graduate Assistant |
| July 2023 to Date | Murang'a University of Technology | Ag. Examinations Officer in the Department of Education & Technology |
| July 2023 to Date | Murang'a University of Technology | Departmental Timetabler in the Department of Education &Technology. |

DUTIES AND RESPONSIBILITIES;

| Dates' | Field |
|---------------------------|---|
| July 2023 to Date | Departmental Examinations Officer in the Department of Education and Technology. |
| July 2023 to Date | Departmental Timetabler, Department of Education &Technology. |
| Jan 10th to 12th Feb 2023 | Review and evaluation of B.Ed Science Curriculum. |
| May 2023 to Date | Murang'a University of Technology. A member of the committee conducting curriculum review for B.Ed. Sci, B.Ed Arts & B.T.Ed |

WORKSHOP AND TRAINING ATTENDED;

- Performance Analysis and Network Forensics Workshop at Murang'a University [3rd to 5th September 2024]
- Public Sector Cyber Security and Emerging Technology Awareness Training [28th May to 30th May 2024]
- East African Regional Workshop on XRD, FTIR and MP-AES [1th May to 2nd May 2023]

SCHOLARSHIP AWARDS EARNED;

2022-2024: Murang'a University of Technology Graduate Assistant Scholarship: Scholarship to pursue Master's degree. Award given after performing exemplary well in undergraduate degree.

2024- To Date: Murang'a University of Technology: Scholarship to pursue Doctor of Philosophy degree. Award given after performing exemplary well in undergraduate and Master's degree.

SKILLS;

- [1] Proficient in analyzing complex chemical data and interpreting results.
- [2] Skilled in various laboratory techniques such as titration, chromatography, and spectroscopy.
- [3] Knowledgeable in laboratory safety protocols, chemical handling, and waste disposal regulations.
- [4] Strong background in conducting scientific research, including experimental design and methodology.
- [5] Proficient in using software for statistical analysis and data interpretation (e.g., MATLAB, Excel).
- [6] Ability to write clear and concise lab reports, research papers, and technical documentation.
- [7] Excellent team player with experience working in multidisciplinary research teams.
- [8] Effective communication skills in presenting findings and collaborating with peers.

PUBLICATIONS;

Bilalo, S. Q., Andayi, A. A., Njagi, E. C., & Pton, B. M. (2024). Concentrations of Selected Heavy Metals in Soil and Tomatoes (*Lycopersicon Esculenta* Mill.) Grown in Kirinyaga County, Kenya. <http://www.ijrar.org/papers/IJRAR24B2388.pdf>

REFEREES;

Dr. Alice Omariba, Dean School of Education,
Murang'a University of Technology,
P.O BOX 75-10200,
Murang'a.
Mobile: +254 724352431.

Dr. Peace Agufana,
Registrar Administration & Planning,
Murang'a University of Technology,
P.O BOX 75-10200,
Murang'a.
Mobile: +254 727208268.

Dr. Andrew Makori,
Director resource mobilization,
Murang'a University of Technology,
P.O BOX 75-10200,
Murang'a.
Mobile: +254 708933009.