

## MANASSEH SIKAZWE

56 Twin Oaks on Bird Street  
Stellenbosch, South Africa

+27 78 851 6416  
manasseh.sikazwe@gmail.com

### PROFILE

---

Five years' experience in the metallurgical industry as a process engineer; familiar with modern cement manufacturing technology. An upcoming researcher in biorefineries, technical economic analyses and greener production. Keen for a new challenge in the biochemical industry; and deeply interested in part-time lecturing.

### EDUCATION

---

<b>Master of science (MSc)</b> <i>Atlantic International University, Honolulu, USA</i>	<b>Chemical Engineering</b>	<b>2018-2020</b>
<b>Bachelor of Engineering (BEng)</b> <i>Copperbelt University, Kitwe, Zambia</i>	<b>Chemical Engineering</b>	<b>2018-2020</b>

### WORK EXPERIENCE

---

**Lecturer** (Applied Chemistry & Analytical Techniques and Instrumentation)  
Ndola College of Biomedical Sciences (Ndola, Zambia). 2021-2022

- Planning and delivering lectures.
- Evaluation of student's performance through tests, assignments and tutorials; and providing the required feedback.
- Preparing periodic progress assessment reports for students.
- Supervising students in their respective research projects.
- Providing guidance and mentorship in and out of the classroom setup

**Shift Process Engineer: Central Control Room.**

Dangote Cement plant (Ndola, Zambia). 2017 to 2021

- Managing the control room operations of the horizontal shaft compactor and rough type roller crushers; LOESCHE type vertical Mills for cement, coal and rawmix milling; and the rotary kiln, to establish maximum throughput and acceptable quality at low operation cost.
- Preparations of daily production reports, process stoppage reports and other such technical reports as, Management information system reports; Accident, incidents and near miss reports; and conveying them to the relevant plant HODs.
- Ensuring that field data from all plant sections is collected, analysed and checked out at shift start and end times to ascertain and troubleshoot existing process bottlenecks for optimal operations.

- Coordinating with mechanical, instrumentation and electrical ground technicians and department heads for instigation of immediate remedial actions as and when faults arise to minimize operation downtimes.
- Responsible for spearheading the safety, environment and health agenda; as well as the standard LOTOTO and maintenance/ process operation procedures to all section field attendants before and during the daily plant operations.
- Liaising with the quality control department on all quality related affairs and to enforce the requisite amount of process parameter adjustments and throughput based tradeoffs to restore crushed raw materials, kiln rawmix, clinker, pulverized coal and final cement quality within an acceptable threshold.
- Preparing, issuing and closing job risk assessment, work permits and job safety analyses as and when required in conjunction with the SHE department..
- Ensuring smooth and effective running of the utility water treatment plant and to maintain stock levels treated water, additive reagents (Sodium chloride, calcium oxide, aluminium sulphate and sodium hypochlorite); as well as to ensure timely dozing off all the water storage tanks and towers.
- Coordinating with quarry on the diurnal operations of the crushing plant and preparation of crushing plans as per the raw stock availability.

#### Process Engineer Intern

Kansanshi mine Plc (FQM)\_Sulphuric Acid Plant

January to May2014

- Part of a research team which conducted an energy audit on the acid plant aimed at raising daily acid production from 850MT/day to the design throughput of 1500MT/day.  
*Results: recommendations from the research dissertation where implemented leading to a boost in daily sulphuric acid throughput to 1050MT/day.*
- Conducted technical inspections through the plant and participated in daily process constraint identification and troubleshooting operations.

#### REFEREES

<p><b>Mr Portipher Ngulube</b> Senior Mining Engineer: mining department. Dangote Cement Zamba Limited +26 0761143760/971243760</p>	<p><b>Mr. Charles Kalumba</b> Assistant Superintendent (SHE) FQM KMP +260968564066</p>	<p>Mr Alrick Mwambungu Senior Lecturer Ndola Biomedical College (NCBS) +260966967323</p>
---	--	--