|  |
| --- |
| **MPHATSO CHONGO** |

|  |  |  |
| --- | --- | --- |
|  | |  |
|  | Email : chongomphatso@gmail.com  Address: C/O Mr. R. Chongo, Opportunity international, Box 464, Lilongwe  Phone: +265997933475 +265995467790 |

# Objective

To be one of the leading scientists in Fertilizer science and Agro-bio science research. My vision is to be part of the driving force in African science revolution for increased food security and productivity. Passionate about fertilizer science, agronomy, biological sciences, microbiology, food security and modern biotechnology. Creativity, team work, interpersonal and analytical skills are my strengths.

# Education

1. **Master in Fertilizer science and Technology (2018-2020)**

Mohammed VI polytechnic University, Morocco

Acquired theoretical and hands-on skills in Agronomy, Soil science, Microbiology, Soil-Plant-Microbe interactions, Fertility management, Plant physiology, Quality control in production engineering, Fertilizer engineering, Risks associated with production engineering, Mineral mining (Phosphate & Potash), Geographical information systems, Fertilizer economic value chains, Statistics and experimental design, Production Economics, Technology transfer to end users.

Thesis Title: **Effects of activated phosphate rock application and mycorrhizal inoculation on maize growth in a high pH, low phosphorus soil in Kenya.**

1. **Bachelor of Education science (2010-2014)**

University of Malawi, Chancellor College

Acquired skills in plant physiology and pathology, Microbiology and laboratory techniques, biochemistry, community nutrition, food science, food technology and food security.

# experience

1. **Research Assistant at International Fertilizer Development Centre, East Africa office, Nairobi, Kenya (Jan 2020-Sept 2020)**

Conducting greenhouse and field crop trials, soil testing, Soil analysis and nutrient recommendations, Conducting fertilizer trial research with farmers, data collection and analysis (qualitative & quantitative), writing scientific articles and facilitating and implementation of farmer

projects.

1. **Fertilizer production Internship at OCP, Morocco (2019)**

Phosphate mining, Sulfuric and Phosphoric acid production, DAP and UREA production, Fertilizer blending to micronutrients, Process chemical engineering, Risks associated with fertilizer production, Quality control in fertilizer production, Fertilizer value chains, Transport and Marketing of fertilizer products.

1. **Assistant researcher at Total Land Care (2015)**

Conducted a baseline survey on Child labor and child protection in Tobacco fields in areas of Ntchisi, Kasungu and Mchinji (Central region of Malawi); also prepared detailed final report (discussion and evaluation) of the project and participated in data transcription.

Data collection was done by a Progress out of Poverty (PPI) questionnaire.

1. **Teaching experience at Bwaila secondary school (2014-2015)**

Biology

# Skills & Abilities

* · Process chemical engineering
* . Risks associated with process chemical engineering
* . Quality control skills
* · Soil science (sample soil analysis and nutrient recommendations)
* . Technical and agronomical data capturing and analysis using excel and R
* . Time management and Problem solving skills
* · Laboratory techniques
* · Soil microbiota analyses and microscopy protocols
* · Excellent Communication skills (English and Chichewa)

# References

1. Professor Aziz Yasri

Director and Professor at School of Agriculture

Agro-Bio Sciences Department

Mohammed VI Polytechnic University, Morocco

[Aziz.YASRI@um6p.ma](mailto:Aziz.YASRI@um6p.ma)

+212666950567

1. Dr. Mercy Ngunjiri

Project Implementation Specialist

International Fertilizer Development Center (IFDC), Kenya

[mngunjiri@ifdc.org](mailto:mngunjiri@ifdc.org)

## +254794864445

1. Mrs. Tamara Kamanga Nthara

Malawi University of Science and Technology

Geological Sciences Department

tnthara@must.ac.mw

+265888158814