

A: PERSONAL PARTICULARS

NAME: Habai Raphael Masunga
DATE OF BIRTH: 20th May 1978
NATIONALITY: Tanzanian.
SEX: Male
MARITAL STATUS: Married
LANGUAGE (S): English and Swahili
EMPLOYER: Tanzania Agricultural Research Institute (TARI)
PROFESSION: **Soil Science and crop Agronomy**

PERMANENT CONTACT ADDRESS:

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B. ACADEMIC BACKGROUND

S/No.	DATES (YEAR)	AWARD
1	2016 – Up to date	On - Progress: Doctor of Philosophy (PhD) in Bio-Science Engineering (Cassava Nutrient Management and Production - Nutrient Norms), KU Leuven, Leuven, Belgium
2	2009 - 2011	Master of Science in Physical Land Resources (Major in Soil Science), Ghent University, Ghent, Belgium
3	2003 – 2006	Bachelor of Science in Agronomy (Major in Soil Science), Sokoine University of Agriculture (SUA), Morogoro, Tanzania
4	1998 – 2000:	Advanced Certificate of Secondary Education (ACSE), Kibaha Secondary School, Kibaha, Pwani
5	1994 – 1997	Certificate of Secondary Education (CSE), Musoma Technical School, Musoma, Mara
6	1987 - 1993	Certificate of Primary Education (CPE), Mwamunhu Primary School, Bariadi, Simiyu

C: WORK EXPERIENCE

09th of JULY 2007 - UP-TO-DATE: Research Officer I. (Tanzania Agricultural Research Institute (TARI) – Ukiriguru Center, Mwanza, Tanzania

Duties:

- ✓ Undertake research work on affordable technologies in the discipline of soil fertility, land management and crop management in order to improve crop yields and production.
- ✓ Interpretation of crop research results in relation to crop, soil and related plant studies and recommend accordingly to farmers and other stakeholders
- ✓ Train farmers and other stakeholders on affordable technologies in the pre-mentioned discipline.

- ✓ Prepare regular progress and final reports on research projects, and publish research findings in scientific journals.
- ✓ And perform other official duties assigned by the Senior Research Officer.

D. SHORT TERM TRAINING ATTENDED

- ✓ **1/9/2013 – 7/9/2014: KIGALI RWANDA**

Research Methods and Publication in Agricultural research (ASARECA project)

In this workshop I got an opportunity to learn types of research, research designs and appropriate data analysis. Interpretation of scientific results, reporting, and publications were covered as well.

- ✓ **September 2013: TANGA (TARI MLINGANO), TANZANIA**

Training on fertilizer analysis for evaluating its nutrients content (ASARECA, Projects)

In this training I learnt how to assess the right content of various mineral fertilizers commonly used in Tanzania such as Triple super phosphate (TSP), Diammonium phosphate (DAP), Muriate of potash (MoP) and Urea. Proper interpretation and reporting based on the reference fertilizers, e. g. 46% N for Urea, 52-60% K₂O for MoP and 21% P₂O₅ for TSP.

- ✓ **18/3/2008-1/3/2008: MOROGORO, TANZANIA**

Research Methodology; (DRD under MoAFC):

In this workshop I learnt techniques of research project proposal formulation, types of research designs, data analysis by MSTATC and SAS, and report writing skills in Agricultural research.

- ✓ **3/3/2008-21/3/2008: PATANCHERU (ICRISAT), INDIA**

Phenotyping of Tropical Legumes in Drought condition (TL II project):

The training covered the determination of Transpiration efficiency in crops, Carbon Isotope Discrimination, Vapor Pressure Deficit, Specific Leaf area, and Spad Chlorophyll Meter Reading techniques. The overall methods for monitoring drought condition in Tropical Areas for important Legume crops (such as Beans, Cowpeas, chickpeas and Groundnuts) were used.

- ✓ **26/5/2008-08/06/2008: MOROGORO, TANZANIA**

Soil-Plant-Water Relationship for Efficient Water Use (SADC).

In this workshop I learnt techniques of water use Efficiency and nutrient use efficiency. Similarly, introduction to simulation models and integrated soil-water management techniques were involved.

E. PUBLICATIONS

Masunga, R. H., Uzokwe, V.N.E., Mlay, P.D., Odeh, I.O.A., Singh, A., Buchan, D. and S, De Neve 2016. Nitrogen mineralization dynamics of different valuable organic amendments commonly used in agriculture. *Applied Soil Ecology Journal*, **101**: 185 – 193

Uzokwe, V.N.E., Mlay, D.P., **Masunga, R. H.**, Kanju, E., Singh, A., Odeh, I.O.A and J, Onyeka 2016. Combating viral mosaic disease of cassava in the Lake Zone of Tanzania by intercropping with legumes. *Crop Protection Journal*, **84**: 69 – 80.

F. DECLARATION

I would like to sincerely declare in all levels of my knowledge and understanding that the above given information is true and mine.

Full name: **Habai Raphael Masunga**

Signature:

Date: 13th December 2021