

# CURRICULUM VITAE

## PERSONAL INFORMATION

Name: FRANCISCA  
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## PERSONAL PROFILE:

I am a graduate of Sokoine University of Agriculture (SUA) in Morogoro Tanzania with a bachelor of science in Biotechnology and Laboratory sciences but currently finalizing my masters in Plants Breeding and Seed Systems at Makerere University in Uganda.

I am reliable, well organized and self-driven whereby I can work on my own initiative. Also am fast enough to learn new skills with the desire to learn and I'm open minded ready to learn others and to work as a team.

## EDUCATIONAL BACKGROUND.

INSTITUTION/SCHOOL	YEAR	AWARD
Makerere University	2018 to date (Finalizing my thesis for submission )	Msc. Plants Breeding and Seed Systems
Sokoine University Of Agriculture	2010/2013	B.Sc. in Biotechnology & Laboratory Sciences
Ministry of Agriculture and Training Institute Ukiriguru –Mwanza (MATI-Ukiriguru).	2007/2010	Diploma in General Agriculture
Maswa Girls High School- (Shinyanga)	2005/2007	Advance level Certificate of secondary education
St. Carolus Secondary School	2000/2004	Ordinary level Certificate of secondary education
Sabasaba Primary School- (Singida)	1994/2000	Primary School Certificate

## WORK EXPERIENCE:

1) COMPANY/FIRM/INSTITUTE: **TANZANIA AGRICULTURE RESEARCH INSTITUTE (TARI) UKIRIGURU-MWANZA**  
DEPARTMENT: Crops production  
POSITION: Research scientist  
DURATION: June 2016-Todate

## **RESPONSIBILITIES;**

- Assist in data collection and report writing under supervision of Senior Research Officer
- Collection and record data for ongoing research activities
- Assist on Seminar presentation to farmers on how to use new technologies considering economy and environment issues.
- To deliver research reports and findings within the program
- To conduct research activities under supervision of Senior Research Officer
- Together with other research activities as directed with Senior Research Officer

## **2. COMPANY/FIRM: MISUNGWI DISTRICT COUNCIL (Nyanhomango village)**

DEPARTMENT: Agriculture, Livestock and fisheries

POSITION: Agricultural field Officer (AFO)

DURATION: October 2013-June 2016

## **RESPONSIBILITIES**

- Creation of awareness to farmers on good farming procedures and agricultural principles
- Receiving new technologies from research Institute and private agricultural firms and disseminating them to farmers.
- Establishment of demo-plots
- Farmers' groups mobilization
- Writing of quarterly and annual reports

## **3) COMPANY/FIRM/INSTITUTE: NATIONAL INSTITUTE FOR MEDICAL RESEARCH-NIMRI (MWANZA)**

DEPARTMENT: Microbiology, Hematology and MOLECULAR LABORATORY

POSITION: Laboratory Technologist (volunteer)

DURATION: July 2013- October 2013

## **RESPONSIBILITIES;**

- Performing routine and experimental laboratory tests mainly in the fields Molecular Biology, Immunology and Microbiology according to standard operating procedures (SOPs), GCLP and the study protocol in order to produce reliable and precise data for scientific investigations.
- Adhering strictly to safety and hygiene instructions to prevent accidents and exposure to Hazardous materials
- Reviewing of laboratory standard operating procedures (SOPs) with supervisor and core workers
- Ensuring precise recording of test results and of procedures required to maintain the quality of the laboratory services

- Performing quality control on test procedures according to established laboratory procedures
- Daily maintenance and quality control of laboratory equipment's
- Preparation and storage of specimens and samples
- Reagent preparation, labeling and storage
- Participating in relevant network meetings and training activities including conferences, Seminars, workshop.
- Performing any other activities as instructed by the supervisor

4) COMPANY/FIRM: **SOKOINE UNIVERSITY OF AGRICULTURE.**

DEPARTMENT: Veterinary Medicine (molecular laboratory)

POSITION: Laboratory Technologist (field practical student-special project)

TITLE OF THE PROJECT: Determination of Origin of African Swine Fever Virus by NdeI Restriction digestion of p72 Gene.

DURATION: November 2012-June 2013

**RESPONSIBILITIES**

- Preparation of various solutions for DNA extraction and purification
- DNA extraction and purification
- Carrying out the Polymerase Chain Reaction (PCR)
- Performing Electrophoresis on the amplified (DNA)-Sequencing of DNA

5) COMPANY/FIRM: **VETENARY INSTITUTE CENTRE (VIC)-MWANZA.**

DEPARTMENT: Microbiology, Immunology and parasitology

POSITION: Laboratory Technologist (field practical student)

DURATION: July 2012- September 2012

**RESPONSIBILITIES**

- Preparation of various media for fungal and bacteria isolation, inoculation and microscopic plate reading.
- Sub culturing of isolates to get pure culture
- Parasites, bacteria, fungal and viral isolation
- Identification of parasites using modern techniques
- Preparation of analytical solutions
- Performing ELISA techniques
- Hematological analysis using modern tools

### **TRAININGS ATTENDED.**

- Management of the cassava tissue culture and seedlings multiplication at Kibaha Agriculture Research Institute November 2017
- Cassavabase and PhenoApps workshop at Namulonge center Crop Research Institute (NaCCRI) in Uganda March 2019
- Proposal Development, Scientific Writing and Presentation organized by Ruforum at Cape coast University from 27<sup>th</sup> November to 9<sup>th</sup> of 2019
- Virtual training on the Introduction to R programming language for statistical analysis organized by IITA in March 2021
- Toolbox for working with seed systems of roots, tubers and bananas organized by CIP from July to October 2021

### **KEY SKILLS:**

- Planning, organizing and conducting projects.
- Logical thinking
- Able to work under low supervision and flexible
- Self motivated
- Intellectual creativity.
- Fluent in English and Kiswahili.

### **COMPUTER SKILLS.**

- Basic and advance use of application software.
- Microsoft Word
- Microsoft Excel
- Microsoft Power point
- Microsoft Access
- Internet –Email

### **PUBLICATIONS**

Misinzo, G, **Gwandu, F.B**, Biseko, E.Z, Kulaya N.B, Mdimi L, Kwavi, D.E, Sikombe, C.D, Makange.M, Madege, M.J. (2014) Neisseria denitrificans restriction endonuclease digestion distinguishes African swine fever viruses of Eastern from Southern Africa origin circulating in Tanzania. Research Opinions in Animal and veterinary sciences Vol.4 N0.4 pp.212.217 ref.19

Chuwa C\*, Sharma B, Mwita MA, **Gwandu FB**, Waibe JM (2021) Low Glycaemic Index Foods: A Resolution to Ameliorate Type 2 Diabetes. J Diabetes Treat 6: 1087. DOI: 10.29011/2574- 7568.001087

## **REFEREES**

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