



CURRICULUM VITAE

PERSONAL DETAILS

NAME	MIRITI PHILIP MWENDA
PERMANENT ADDRESS	1265 -60200 MERU
CURRENT ADDRESS	8170-00200 NAIROBI
TELEPHONE	254722311781/ 0735281837
E-MAIL	philipmwenda2012@gmail.com
NATIONAL ID NO:	22353987
GENDER	MALE
CITIZENSHIP	KENYAN
LANGUAGES	ENGLISH, KISWAHILI & KIMERU
RELIGION	CHRISTIAN

EDUCATIONAL BACKGROUND

2008- 2011: Jomo Kenyatta University of Agriculture and
Technology (JKUAT). Master of Science
Biotechnology

Research Title; Characterization of soil bacteria capable of
degrading selected organic pesticides applied in
horticultural farms in Kenya.

Skills Acquired:

Techniques for isolation and identification of bacteria.

DNA extraction

PCR amplification of the 16SrRNA

DNA analysis using molecular markers (AFLP- PCR) to assess genetic diversity of soil harbored bacteria.

DNA sequencing and Phylogenetic analysis using MEGA4 software.

Electrophoresis-based genotyping using GeneMapper® Software v3.7.

HPLC/GCMS for analysis of chemical residues.

2002-2007: Kenya Methodist University (KEMU). Bsc in Applied Biology (Microbiology option)

1997-2000: Kaaga boys High School — K.C.S.E certificate

1988-1996: Katheri Primary School- K.C.P.E certificate

WORK EXPERIENCE

2011- to date: **Kenyatta University (KU)**

Position: Part-time lecturer department of Biochemistry and Biotechnology

Courses Taught

- Fundamentals of Biotechnology
- Principles of genomics
- Basic Biochemistry
- Microbial physiology.
- Plant cell and tissue culture
- Molecular genetics
- Membrane biology

Catholic University of Eastern Africa (CUEA)

Position: part-time lecturer department of Natural Sciences.

Courses taught:

- Plant Biotechnology
- Plant Biochemistry and Physiology

Kenya Methodist University (KEMU)

Position: part-time lecture department of pure and applied sciences.

Courses taught:

- Cellular and Molecular Biology
- General Microbiology
- Research methods

Technical University of Kenya (TUK)

Courses taught:

- Environmental Biochemistry

May 2006-July 2006 (Kenya Medical Research Institution (KEMRI) -
Centre for Microbiology research (CMR)).

Position: Intern

Responsibilities:

Laboratory organization

Media preparation

Sterilization techniques

Gram stain

Acid fast stain

Sensitivity assay

Biochemical testing

Seminar and workshops

1. **22-26th September 2008** 1st all African Congress on Biotechnology
2. **21st – 25th June 2010:** CAPACITATE training workshop on ‘building capacity for participatory plant breeding to mitigate low crop productivity and poor food security.
3. **16-17 September 2011:** Kenya DAAD Scholars Association (KDSA)

Workshop

3. **22-26 October 2012:** 13th KARI Biennial Scientific Conference
 4. **15th -16th November, 2012:** 7th JKUAT Scientific Conference 2012
-

Grants/Scholarships

World Federation of scientist scholarship Masters Scholarship.

Publications:

. Ngugi M P, Njagi J M, Kibiti C M and **Miriti Philip Mwenda** 2012
Pharmacological Management of Diabetes Mellitus-A review article. Asian
Journal of Biochemical and Pharmaceutical Research *Issue 2: 2, 375-381*

. **Miriti M. Philip**, Magoma N. Gabriel, Hamadi I. Boga, and Nyende B. Aggrey.
Isolation and Characterization of Linuron Degrading Bacteria from Soils
under Horticultural Production in Kenya *International Journal of
Environmental Bioremediation & Biodegradation, 2014, Vol. 2, No. 5, 220-
227* Available online at <http://pubs.sciepub.com/ijebb/2/5/2> © Science and
Education Publishing DOI:10.12691/ijebb-2-5-2

COMPUTER SKILLS

Microsoft Office: Familiar with Ms Word, PowerPoint, Ms Excel, Ms Publisher Gensat and SPSS

SOCIETIES & CLUBS MEMBERSHIP

JKUAT Christian Union Nurture Group.

Bioinformatics club-(BMC-JKUAT).

American Society of Microbiology

PERSONAL INTEREST

+ Research & environmental conservation

+ HIV/Aids campaign and Peer educator

+ Table tennis and athletic

+ Community services like tree planting and transfer of technologies

REFEREES

1. Dr. Mathew Piero Ngugi

Lecturer, Department of Biochemistry and Biotechnology

Kenyatta University (KU),

P.o. box 43844 Nairobi Kenya,

Tel: 0732264557

Email matpiero@gmail.com

2. Prof. Gabriel Nyamwamu Magoma

Director, Pan African University Institute of Basic Science Technology

And Innovation Jomo Kenyatta University of agriculture and
Technology

P. O Box 62000 00200 Nairobi, Kenya.

Telephone: 0722565823

Email gmagoma2000@yahoo.com

3. Mr. Titus Mutwiri

Lecturer, Department of medical laboratory sciences

Kenya Methodist University (KEMU),

P.o. box 267-60200 Meru Kenya,

Tel: 0721653089

Email titusmutwiri@yahoo.com

4. Dr. Antony Kibera Nyamache.

Lecture, Department of plant and Microbial Sciences

Kenyatta University (KU),

P.o. box 43844 Nairobi Kenya,

Tel: 0735757560

Email akibera2000@gmail.com
