

# *Curriculum vitae*

## **PERSONAL DETAILS**

Name: Margaret Wawira Mwai  
Date of birth: 31st august 1967  
Place of birth: Kirinyaga County  
Nationality: Kenyan  
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## **PROFESSIONAL OBJECTIVE**

I am attracted to a post that offers me an opportunity for further skills and development in an institution that will enhance my contribution to the achievement of its goals.

## **EDUCATION BACKGROUND**

### **DATE CERTIFICATE**

<b>2004 – 2005 Kenya Polytechnic</b>	Higher National Diploma in Applied Biology
<b>1991-1992</b>	Ordinary Diploma in Applied Biology Pass with Credit
<b>1986 -1987</b>	Mary Leakey Girls High School K. A. C. E One principal three subsidiaries
<b>1982-1985</b>	Keruguya Girls High School K. C. E Division 2-29 points
<b>1974-1981</b>	Kavote Primary School Certificate of Primary Education 29 points

## **EMPLOYMENT BACKGROUND**

<b>1993 - 1984</b>	Kenya Science Teachers College Laboratory assistant on permanent terms
<b>1995 - 2007</b>	University of Nairobi Laboratory Technologist
<b>2007 – 2015</b>	Senior Laboratory Technologist - School of Biological Sciences and currently
<b>2015-todate</b>	Senior Laboratory Technologist- Department of Medical microbiology JKUAT

## **WORKING EXPERIENCE**

2007-2015                    **University of Nairobi, School of Biological – Sciences**

- 1) Senior Laboratory technologist 20 years of experience in preparing students' practical in various micro-biology related fields e.g. bacteriology, marine microbiology, food microbiology.

2015- To date                    **Jomo Kenyatta university of agriculture and technology**

- 2) Senior Laboratory technologist

### **Research projects involved in are:**

1. Determination of microbial contamination of *Mondia Whitei* sampled from the local Markets in Nairobi- Kenya 2013 (**Mori Samuel Onganga**)
2. Isolation of bacteria in vegetable salads (Kachumbari) collected from egg vendors in Muthurwa market, Nairobi Kenya 2013. (**George kahwaiwanja**)
3. Isolation of bacteria in water from university of Nairobi fish ponds 2013 (**oduo Ronald Okoth**)
4. Anti-microbial effects of selected natural food presentation on bacterial growth (**ndambuki mercy ndule 2013**)
5. An investigation into the bacterial activity in two meat products from a local market. (**mwago p njoroge 2012**)
6. Assessment of microbial contamination of hawked raw milk in mathare slums, Kenya. (**Bernard garryawara 2012**)
7. Efficacy of selected commercial detergents on bacteria isolated from kitchen cloths (**Michael munga 2011**)
8. Effectiveness of anti-microbial wipes on *Escherichia coli* reduction on mobile phones surfaces (**wanderi Eunice njeri 2011**)
9. Prevalence of bacteria causing urinary tract infections among chiromo campus students (**achachalilianakinyi 2011**)

10. Effect of land use and soil fertility management practices on nematode destroying fungi in taitaveta, Kenya. (PhD)- **2010 PeterM.Wachira.**
11. A Survey of Extremophilic Bacteria in Lake Magadi, Kenya. By **BancyMuruga**
12. Soil factors influencing the prevalence of *Tungapenataris* in Gaichanjitu location of Muranga county Kenya (MSc)- 2010 (**Josephine Wanjiku Ngunjiri**)
13. Screening of *phyllanthus species* collected from two ecological regions in Kenya for anti-microbial properties. (MSc)-2010 **Njoroge Anthony**
14. Competition between cultivated rice (*oryza sativa*) and the wild rice (*oryzapunctata*) in kenya (Msc) – 2009(**M'ringera Jane Tei**)
15. Dispersal distance of rice (*OryzaSativa L.*) pollen at the Tana River delta in the coast province, Kenya — 2009 ( **Dr Kanya**)
16. Genetic relatedness among Fusarium species isolated from taita region of Kenya2009 (MSc) **PK Mama, S. Okoth C. Njoroge**
17. Molecular characterization and identification of biocontrol isolates of *Trichodemaharzianum* from Embu district Kenya. (MSc)- **SiametoAmuguneOkoth And C Njoroge**
18. Purification and characterization of trypanolysin from the midgut of desert locust (*schistocercagregaria*), a non-vector of trypanosomes (MSc) (By:**JohnGitauMwaura**)
19. Antibacterial activity of sennadidymotrya bark on e.coli b. subtilis and s. aureas 2010(By **Kipyego James Samoei**)
20. Molecular characterization of indigenous goat in Kenya- 2005 by **Dr. Githui**
21. The rice project under Dr. Kiboi and Mr. Kanya(**University of Nairobi**)
22. Commercialization of Medicinal and Aromatic plants in Kenya under Prof. Mukiyama. (**University of Nairobi**)

### **TRAINING (WORKSHOP/SEMINAR/CONFERENCE)**

1. International training course in molecular biology sponsored by the British Council New England bio labs and African biotechnology stakeholders' forum (28<sup>th</sup> February -11<sup>th</sup> March 2005)
2. To harmonize functions and services in the school of biological sciences. Theme: Adapting to changing university environment.  
Venue: Kenya Commercial Bank - Karen.

## **Computer studies (Driving License 2015) — IAT.**

- MS word
- Ms excel
- Information technology basics.

## **RESPONSIBILITIES**

1996-2007	Stationary store management in the school of biological sciences
2014-2015	A member of inspection and acceptance committee for procurement. In charge of Departmental procurement. In Charge of Chemical Stores
2015-to date	Jomo Kenyatta University of Agriculture and technology  In charge of department procurement.  In charge of departmental store

## **CURRICULUM ACTIVITIES**

Charity work - St. Ann Church Kawangware  
Counseling of youth - st. Ann's CPK Church

## **HOBBIES**

Reading, and  
Travelling

## **REFEREES**

1. Prof. F.B Mwaura  
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