

CURRICULUM VITAE

PERSONAL INFORMATION

Name: Edith Mnyazi Muwawa
Date of Birth: 16th November in 1985
Nationality: Kenyan
Gender: Female
Marital Status: Married
Languages: English, Kiswahili (speaking, writing and reading)
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CAREER OBJECTIVES

- To augment my teaching and research skills to be able to offer my best.
- To be a competent research scientist able to conduct research in and promote the safe use of microbiological skills for improvement of human life.

EDUCATIONAL BACKGROUND

2011-2014: **MSc. Microbiology.** Jomo Kenyatta University of Agriculture and Technology (JKUAT).
Thesis title: Dynamics of nitrogen fixing microsymbionts and inorganic nutrients in guts, nest materials and soils of termites.

2006-2010: **Bsc. Microbiology** (Second Class Honours (Upper Division)) JKUAT.
Project title: Assessment of effects of heavy metals on bean plant growth parameters and growth of two Rhizobium isolates.

2001-2004: Kenya Certificate of Secondary Education (B+), Mama Ngina Girls Secondary School.

1993-2000: Kenya Certificate of Primary Education (512/700), Isaac Nyondo Primary School.

RESEARCH INTEREST

Exploration of diversity of microorganisms from diverse habitats, their roles in different ecosystems and their use as probiotics and in human health. Bioprospecting for antimicrobials from microorganisms. Role of termites and their microsymbionts in soil ecological health, Effect of heavy metals on soil microorganism.

WORK EXPERIENCE

- Employed as a tutorial fellow at Pwani University.....**1st September, 2016**
- Part-time lecturer at Technical University of Mombasa....**Sept' 2014 to May, 2016**
- Part time lecturing at Pwani University**January 2014 to May 2016**
- Matuga Girls High School**January to June 2010**
Position: Teaching Biology and chemistry subjects
- Kenya Medical Research Institute (KEMRI, Kilifi center).....**January to April 2009**
Position: Internship: Skills acquired: Hands on experience on various aspect of microbiological analysis, molecular work (PCR, Gel electrophoresis, Sequence editing and analysis)

PUBLICATIONS

- ❖ **Muwawa et al. (2016).** Isolation and characterization of some gut microbial symbionts from fungus-cultivating termites (*Macrotermes* and *Odontotermes* spp.). *African Journal of Microbiology Resaerch*. 10(26): 994-1004.
- ❖ **Muwawa et al. (2014).** Chemical properties associated with guts, soil and nestmaterials of *Odontotermes* and *Macrotermes* species fromKenya. *Journal of Biodiversity and Environmental Sciences*. 4(2): 253-263.

CONFERENCE AND SEMINARS

- Presented a paper in the 8th JKUAT International Scientific Conference.....**14th-15th November 2013**
- Attended an international workshop for capacity building in molecular biology and Bioinformatics at ICIPE.....**14th -16th August 2013**
- Attended a workshop on publishing scientific research (Springer plus journal) at JKUAT.....**31st May 2013**

REFEREES

1. Prof. Hamadi Iddi Boga,
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