



## **CURRICULUM VITAE**

**Name:** Dr. Wekulo Saidi Fwamba, PhD

**Gender:** Male

**Religion:** Muslim

**Nationality:** Kenyan

**Marital status:** Married

**Profession:** Disaster Preparedness and Engineering Management Analyst

**ID/No.:** 2332554

**Age:** 69 years

**Registered Consulting firm:** Wefwe Consultancy dealing in Disaster related aspects

**Address:** Box 524-50205, Webuye, Kenya

**E-address:** [Fwamba05@yahoo.co.uk](mailto:Fwamba05@yahoo.co.uk); [fwamba05@gmail.com](mailto:fwamba05@gmail.com)

**Languages:** English Kiswahili and Luhya

**KEY QUALIFICATIONS:** Soil and Water Engineering and Disaster Preparedness and Engineering Management. He is a registered Lead expert in environmental Impact Assessment and Environmental Audit. He is teaching in the department of Disaster Preparedness and Engineering Management in School of Disaster Management and Humanitarian Assistance for eight years now.

**EDUCATION:** PhD – Disaster preparedness and Engineering Management (MMUST Main Campus - Kakamega) – 2014-2018

MSc - in Agricultural Information and Communication Technology (University of Nairobi) – 2012-2013

BSC – Agricultural Engineering (Egerton University) – 1987-1991

Diploma – Agricultural Engineering –Soil and Water option (Egerton college) – 1982-1985

EMPLOYMENT RECORD: 2014 to Date - part time lecturer MMUST Main Campus in DPEM and Consultant in Disaster Preparedness and Engineering Management

2012- 2015 – Soil and Water Specialist in ASDSP ministry HQTs (retired from service after attaining mandatory 60-year rule)

2011- 2012 –Agricultural Engineer ministry HQTs

2004 – 2011 – Agricultural Engineer in Western province

1997 – 2004 – Agricultural Engineer Rift Valley Province

1993 – 1997 – District Soil and Water conservation programme Coordinator (National soil and Water conservation programme), Bungoma District.

1991 – 1993 – District Soil and water conservation officer (National soil and Water conservation programme), Elgeyo marakwet District.

1985 – 1987 – Divisional Soil and Water conservation officer, (National soil and Water conservation programme), Chebiemit Division – Elgeyo marakwet District

1987 – 1991 – Divisional Agriculture Extension Officer Chebiemit Division – Elgeyo marakwet District

## PROFESSIONAL EXPERIENCE:

Registered **Lead Expert** in Environmental Impact Assessment and Environmental Audit (EIA and EA) in 2007, Licence No. 1321. Fwamba is registered with Environmental Institute of Kenya (EIK).

He carries out assessment of environmental disaster related aspects

Fwamba is Graduate Engineer from 2009, Certificate No. B5268.

### **Agricultural Sector Development Support Programme (ASDSP) 2014 – 2015:**

**Kenya:** Fwamba as an Agricultural Engineer participated in the development of a web based monitoring and evaluation management system. He also participated in review of the M&E framework and implementation of the system across all counties.

**Malawi:** Fwamba went for Agricultural Engineering one month short course.

### **National Agricultural and Livestock Extension programme (NALEP) Phases 1 and 2, 2000 – 2012:**

**Kenya:** Fwamba as an Agricultural Engineer participated in designing of participatory monitoring and evaluation (PM&E) system for capturing targets and achievements from divisional, district, provincial and national levels.

**India:** in 2007, Fwamba went for soil and water engineering two months course

### **National Soil and Water conservation Programme 1985- 2000:**

**Kenya:** Fwamba as an implementing officer participated in the development of reporting templates for divisions, districts, provinces and national levels

**Sweden:** in 1997, went to Sweden a three months short course in M&E report format

## List of publications

### 1. *Evaluation of Land Use/Land Cover Change with Time in Assessing Soil Erosion Risk in*

#### *Isiukhu River Catchment, Kakamega County, Kenya*

Wekulo Saidi Fwamba, Prof. Samuel.S. China, Dr. Edward.N.Masibayi

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### 2. *Estimation of spatial distribution of potential soil*

#### *erosion risk in Isiukhu river catchment, Kakamega*

#### *County, Kenya*

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### 3. **Optimization of the Non-Linear Diffussion Equations**

Rukia Nasimiyu Fwamba<sup>1, \*</sup>, Isaac Chepkwony<sup>1</sup>, Wekulo Saidi Fwamba<sup>2</sup>

<sup>1</sup>Department of Mathematics & Actuarial Science, Kenyatta University, Nairobi, Kenya

<sup>2</sup>Department of Disaster Preparedness and Engineering Management, Masinde Muliro

University of Science and Technology, Kakamega, Kenya

**Referees:**

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Dr. Edward Namusasi Masibayi

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Prof. Samuel Soita China

Lecturer MMUST Main Campus