

CURRICULUM VITAE

NAME: MILLIEN KAWIRA ERASTUS
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MARITAL STATUS: MARRIED
RELIGION: CHRISTIAN

EDUCATION BACKGROUND

TERTIARY EDUCATION

Jomo Kenyatta University: 2009- 2012, Master of science in physics, Renewable
Of Science Technology Energy.

Egerton University: 1992-1996, B.ED Science Graduate with Second Class Honors
(Upper Division 60.0 pts)
Subject studied Physics & Chemistry, Mathematics & Education.

SECONDARY EDUCATION

Muthambi Girls Sec. School: 1987-1990, KCSE Grade B+, 11 Subjects.

PRIMARY EDUCATION

Kagumo Primary school: 1981- 1986, KCPE, Marks 469/600, 6 subjects.

WORKING EXPERIENCE

2004- 2009: Mukumu Girls High School

- Teach physics, mathematics and chemistry.
- Set, standardize, moderate and administer county examinations.
- County Head of physics curriculum development
- Produce booklets and pamphlets on physics topics.
- Offer consultant services on improvement of physics performance
- Setting standardization of county physics exams.
- Produce schemes of work for the county.

2009 - 2012

- Master of Science in physics class representative.
- Research: fabrication and characterization of a prototype parabolic trough solar concentrator for steam production and obtained letter of award.
- Obtained Master of Science in physics.

2009 – 2011

Western Institute of Science & Technology

- Lectured at western Institute of science and technology.
- Subjects taught included science physics, Hydraulics, structures, engineering physics e.t.c.

2011 – To date

- **Shamberere T T I**
- **Bushiangala T T I**
- Deputy registrar

- In charge of Non-teaching staff
- TIVET fair and theme interpretation and implementation
- Curriculum implementation and supervision
- Head of applied science department.
- In charge of supervision of various curricula.
- Identify and supervise innovations and science technology projects.
- Preparation of departmental time table and schedule of activities.
- Recruitment, interview and induction of new members of department.
- Departmental examinations coordinator

1998- 2011

- Kenya national examinations council examiner.

2011 - Date

- Lecturer Embu University
- COD, Physical Sciences

Research Interests: Energy

Publications in Journals:

1. A paper entitled ‘A Prototype Steam Storage System for Power production’ was published. ISSN: 227 – 1581 by International Journal of Scientific Engineering and Technology (IJSET). **3** (8), 1 August 2014.
2. A paper entitled ‘Investigating a Prototype Heat Exchanger for Steam Storage’ was published. E-ISSN: 2278-4861 by IOSR Journal of Applied Physics (IOSR-JAP). **6** (4) ver. II (JUL AUG.2014), PP70 – 80. The paper’s digital link (ANED-DDL) is 22.4861/iosr-jap-N06427080 under the website www.aned.us
3. A paper entitled ‘A prototype Parabolic Trough Solar Concentrator for Steam Production’ was published. ISSN 1561-7645 by Journal of Agriculture Science and Technology (JAGST). **14** (2), 2012.

CONFERENCES

A paper entitled ‘Fabrication and Characterization of a Prototype Steam Storage System and Generator for Power Production’ in Proceedings of 2014 International Annual Conference on Sustainable Research and Innovation on Wednesday 7th to Friday 9th May 2014 in the African Institute for Capacity Development (AICAD) – Kenya.