**WILFRED KENGA BAYA**

PERSONAL DETAILS

Date of birth: 1st December 1988

Place of birth: Kilifi,Kenya

Postal address: P.O BOX 497-80108, Kilifi, Kenya

Cell phone: 0713619022

Email: baya.kenga@yahoo.com

Nationality: Kenyan

Marital status: Married

Religion: Christian

Languages: English and Kiswahili

Countries visited on energy matters:Italy,Germany-Munich and India

**CAREER OBJECTIVES**

To gain more knowledge and experience in the application and use of Solar PV SYST,Geophones and Geographical Information Systems especially in the use of earth mapping and research, and to be able to apply it in solving societal problems in the fields of water,energy,land and environment.

**EDUCATIONAL BACKGROUND**

Period: June 29, 2015-July 24, 2015.

Institution: Institute of Advanced Technology Mombasa

Subject Major: Did a package on data analysis (SPSS)

Period:October 2010-August 2014

Institution: University of Nairobi

Subject Major: Bachelors of Science in Physics

Period:3- 21TH MARCH 2014:

Institution: University of Nairobi, Department of Geology

Qualification: Certificate course in Geographical Information Systems (GIS)

Period: FEBRUARY 2005-2008:

Institution: Chumani Secondary School,

Qualification: K.C.S.E. Mean grade of B+ (plus)

Period: JANUARY 1993-2000:

Institution: Migodomani Primary School,

Qualification: K.C.P.E. Mean grade of B (plain)

OTHER PROFESSIONAL TRAININGS

In

* 2018: 6th to 31st August,2018: attended a senior management course NO.95/2018 at the Kenya school of government Mombasa branch
* 2019:Attended a seven days course on renewable energy development in Bavaria germany
* 2019:attended a one week course on solar micro-grid development at the Kenya power and lighting company training college
* 2017:attended a three week course on operations and maintance of renewable energy projects at the national institute of solar energy in gurgaon –india
* 2017:attended a one week course on solar design system T1T2 at Strathmore university
* 2016:attended a one week course on county energy planning at JKUAT university

**PROFFESIONAL EXPERIENCE:**

* 1st November, 2019 to date :principal energy officer kilifi county government
* 17th August 2018 to 31 December 2019 :senior renewable energy officer
* 17th August ,2015 to 17th August ,22018: Energy Liaison Officer kilifi county government.
* 10th June,2015-August,2015:Doing internship as a GIS trainee in Mombasa County,
* 4th May-1June, 2015: Space Scientist at the Travelling Telescope Africa Ltd.
* 1st Feb-30th April, 2015: Volume calibration officer Mild steel Engineering Works Ltd.
* 13th August-30th September 2014,had an internship at the Kenya bureau of standards where I covered areas on mass,radiation,force,oil and water meters calibration.

**Key technical works done and supervised into completion in kilifi county**

* Development of kilifi county energy action plan 2018-2022
* Development of kilifi county energy bill 2020
* Development of kilifi county energy policy 2017
* Feasibility study on waste to energy 2018-2019
* Construction of household and institutional biogas digesters
* Implementation of county electrification projects
* Implementation of energy and cash transfer project
* Development of kilifi county energy regulation manual

**SOFTWARE PROFIENCY**

* GIS software’s-QGIS and ArcGIS and SPSSS.
* Astronomy software-Stellarium.
* Solar pv softwares-solar pvsyst,pv-gis etc
* Geophones and water terrameter equipments

**SKILLS**

* Excellent communication skills both oral and written.
* Leadership skills.

**LEADERSHIP/MEMBERSHIP AFFILIATIONS**

* BOM godoma secondary school
* BOM dungicha secondary school
* BOM migodomani primary school
* Treasurer-Nairobi University Physics Association (NUPA)
* Kenya renewable energy association-member
* Physics association of Kenya-member
* Eastern Africa Association for Radiation protection (EAARP)
* Association of Energy Professionals in Eastern Africa (AEPEA)

**ACTIVITIES/INTERESTS**

* Modern technology exploration in the fields of oil,gas and water
* Research in the fields of application in relation to energy ,water and agriculture.
* Reading novels and bible

**REFEREES**

**1) Prof. J. Patel**

Lecturer Department of Physics

University of Nairobi,

P.O. Box 30197, Nairobi, Kenya.

Phone: 0733747870.

**2) JACKLINE WAEMA,**

[**waema@kebs.org**](mailto:waema@kebs.org)**,**

**Phone: 0705096665**

Assistant Administrator,

Kenya Bureau of Standards,

P.O. Box 54974-00200

Nairobi.

**3) SAIDI M UNDA**

Email:[Undasaidia2@gmail.com](mailto:Undasaidia2@gmail.com)

Phone: 0712500017

Administrator –Dept of Lands, Energy, Housing,

Physical Planning &Urban Development

4) DR JAMES NGUZO

Chief Officer-Lands and Energy

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County Government of Kilifi