

## **Malala Joel Bonface**

Research Assistant  
Mount Kenya University  
BSc. Microbiology & Biotechnology  
Technical University of Mombasa  
+254724035747  
[malalabonnie@mku.ac.ke](mailto:malalabonnie@mku.ac.ke)  
[www.mku.ac.ke](http://www.mku.ac.ke)



### **Education**

- BSc., 2013, (First Class Honours), Microbiology & Biotechnology, Technical University of Mombasa (TUM), Kenya
- Postgraduate Certificate., 2013, Environmental Impact Assessment (EIA)/Environmental Audit (EA)

### **Professional Experience**

- Tutorial Fellow (2014), Technical University of Mombasa (part-time)
- Research Assistant (2013-2014), Technical University of Mombasa
- EIA Associate Expert (2013- to date)

### **Areas of expertise**

Microbial culturing, plant/animal tissue culture, preparation of microbial inoculum, vaccine preparation, sterilization, DNA sample preparation, extraction, sequencing and PCR amplification and data analysis

### **Patent**

1. Luffa-Aqua Purifier as source of water for domestic use (Patent No.KE/UM/2012/00293)
2. Bio-alkanol gel as a form of renewable source of energy (Patent No.KE/UM/2012/00296)

### **Research Interest**

- Innovation
- Plant transformation through somatic/organic embryogenesis
- Human health research
- Production of natural microbial products
- Ethnomedicine
- Water quality
- Renewable energy