

## DEPARTMENT OF BIOLOGICAL AND BIOMEDICAL SCIENCES TECHNOLOGY



**Name of Staff:** Dr. Alexander M. Mbeke

**Designation/Rank:** TVET Institute Coordinator & Lecturer

**Department:** Biological and Biomedical Sciences Technology

**School:** Science and applied Technology

**Email:** [ambeke@laikipia.ac.ke](mailto:ambeke@laikipia.ac.ke)

**Research Gate link:**

[https://www.researchgate.net/profile/Alexander\\_Mbeke](https://www.researchgate.net/profile/Alexander_Mbeke)

**Linkedin Profile:**

[https://www.researchgate.net/profile/Alexander\\_Mbeke](https://www.researchgate.net/profile/Alexander_Mbeke)

### PERSONAL DETAILS

#### **A Educational Background/Qualification:**

1. PhD in Public Health, Maseno University (2018).
2. Master of Science in Environmental Health, Moi University (2011)
3. Bachelor of Science Degree in Microbiology, Moi University (2008)
4. Diploma in Medical Laboratory Technology, Mombasa Polytechnic (1998)

#### **B Brief Auto-biography**

Dr Alexander M. Mbeke is a Public Health Specialist with a PhD in Public Health. He lectures in various fields and also examines and supervises postgraduate and undergraduate research thesis and projects. Further, he consults on communicable diseases, writes and advises on health promotion, safe blood transfusion, medical and environmental microbiology. Additionally, he mentors students and researchers in the areas of public health, medical laboratory and biomedical sciences and technology.

#### **C Areas of Specialization.**

1. Public Health Promotion
2. Environmental Microbiology
3. Research Methodology in safe blood transfusion.

#### **D Research Interest**

1. Industrial and microbial water pollutants and the public health aftermath
2. Gene sequencing and characterization of monkey pox virus

3. Blood transfusion safety practices in Kenya.

**E All Publications** (including books, peer reviewed journals)

1. Mbeke A.M; Sang D; Onyango R (2022) Phycoremediation efficacy of chlorella vulgaris, synechocystis salina and gloeocapsa gelatinosa on waste Water from Coffee, Tea and Sugar factories in Bungoma, Nandi and Kakamega; Kenya; Maseno University Institutional Repository
2. A.M. Mbeke, S .C Kirui, -N.C Kibet, A. Welinga, S.K.Musyoki, C.M. Nguta ( 2014): Effects of Nitrogen application on snap beans production in Koibatek district Kenya: International journal of Development and Sustainability, VOL 3 NO.5 (2014)
3. Nakusi Peter , Stanslaus Kiilu Musyoki , and Alexander M Mbeke (2022); Plastic Handling and Pollution, a Study on the Effect of “Polluter Pays” Principle in Lodwar Town, Turkana County, Kenya; International Journal of Medicine and Public Health,2022,12,2,39-45.
4. M.M.K. Ripotolim, E. O. Omwenga and A.M. Mbeke (2020) The social demographic factors associated with trachoma infection among children aged 1-9 years in Kapenguria Sub County in West Pokot County; Kenya; East African Journal vol 97 no 9 2020)
5. Ruth Ngetich, Alexander M Mbeke and Kevin Kamanyi (2021); Demographic Factors Associated with Uptake of Cervical Cancer Screening among HIV/AIDS Patients in Nandi County, Kenya Int J Med. Public Health. 2021; 11(4):190-194

**F Project/Thesis Supervision (provide a sample list)**

1. Data Demand and Information use in Public Health Facilities in Burundi: A case study of Kiganda Health District, Muramvya Province: Elysee Nibitanga
2. Covid-19 Vaccine Hesitancy among Healthcare Workers in Lower Juba Region of Jubaland State in Somalia: Ahmednoor Shuriye Abdi.
3. Determinants of Sustainable Open Defecation-free Status among adult residents in Mwingi west sub-county, Kitui county, Kenya: Munyongi Daniel Kyalo

**G Scholarly Presentations at Conferences/Workshops/Seminars**

Training for Supervisors of Masters and Doctoral Candidates, Kisii University. (14/4/2022)

**Key note Speaker.**

**H Consultancies**

Strategic Plan for Nyahururu Elite Schools.