



## ACADEMIC STAFF PROFESSIONAL PROFILE

### 1. Personal Details

Name: Millicent Taka Mumbo
Title/Qualification: M.Sc. Molecular Biology and Bioinformatics and B.Sc. Medical Laboratory Science
Department: Medical Laboratory Science
Designation/Position: Tutorial Fellow
Email: <a href="mailto:mumbo.millicent@ku.ac.ke">mumbo.millicent@ku.ac.ke</a>
Contact Address: 43844-00100, Nairobi, Kenya
Area of Specialization: Molecular Biology and Bioinformatics
Research Interests: Microbial diversity and Antimicrobial sensitivity with major interest in Molecular Biology and Bioinformatics

### 2. Academic & Professional Qualifications

Date	Institution	Course
2019 – To date	Jomo Kenyatta University of Agriculture and Technology	Doctor of Philosophy in Molecular Biology and Bioinformatics-ongoing
24 <sup>th</sup> -29 <sup>th</sup> June, 2019	ICIPE in collaboration with COS Heidelberg	TRENND courses on Genome editing
20 <sup>th</sup> -30 <sup>th</sup> May, 2019	Kenyatta University in partnership with University of Helsinki	Sustainability and Health Promotion-From Global View to Local Solutions
6 <sup>th</sup> -30 <sup>th</sup> May, 2019	Kenyatta University in partnership with University of Helsinki	Data Management & Statistical Analysis using R software
13 <sup>th</sup> -16 <sup>th</sup> May, 2019	Kenyatta University in partnership with University of Helsinki	Scientific Communication: Poster & Oral Presentation
6 <sup>th</sup> -9 <sup>th</sup> May, 2019	Kenyatta University in partnership	Scientific Writing For International

	with University of Helsinki	Journals
2018	Jomo Kenyatta University of Agriculture and Technology	M.Sc. in Molecular Biology and Bioinformatics
2009	Jomo Kenyatta University of Agriculture and Technology	Bachelor of Science in Medical Laboratory Sciences

### 3. Employment History

February 2020 to date	<p>Tutorial Fellow at Kenyatta University, Department of Medical Laboratory</p> <ul style="list-style-type: none"> <li>• Teaching and examining students doing B.Sc. in Medical Laboratory Science (Basic Cell Biology, Basic Biochemistry, Molecular Biology and Genetics, Laboratory Management, Community Health)</li> <li>• Coordinating practical sessions in the teaching laboratories</li> </ul>
January 2018- to Dec 2019	Lectured at Jomo Kenyatta University of Agriculture and Technology.
January 2013 to August 2013	Tutor at Kenya Institute of Professional Studies (KIPS), Department of Medical Laboratory
March 2011-Jan 2013	Worked at The Aga Khan University Hospital as a Medical Laboratory Technologist.
May-Dec 2010	<p>Part time Teaching Assistant at Jomo Kenyatta University of Agriculture &amp; Technology</p> <ul style="list-style-type: none"> <li>• Giving tutorials to students</li> <li>• Marking continuous assessment tests (CATs) and practicals</li> <li>• Assisting in preparation of exam time table and lecture programs</li> <li>• Invigilation of CATs and Examinations</li> </ul>
May-June 2010	<p>Research assistant in a biofertilizer synthesis project at Jomo Kenyatta University of Agriculture &amp; Technology</p> <ul style="list-style-type: none"> <li>• Conducting laboratory trials and tests</li> <li>• Assisting in the literature review</li> <li>• Chemical tests of the various components of the raw materials</li> </ul>

<b>Hospital Attachment</b>	
January-April 2008	<p>Attache' at Busia District Hospital</p> <ul style="list-style-type: none"> <li>• Haematology and blood transfusion</li> <li>• Test of parasites in blood, urine and stool</li> <li>• Microbiology of sputum and vaginal discharge</li> <li>• HIV/AIDS tests, counseling and management</li> <li>• Serological tests of all body fluids</li> <li>• Biochemical tests</li> <li>• Clinical chemistry tests</li> <li>• Stool, Urine and Blood</li> </ul>
June-August 2007	<p>Attache' at Jomo Kenyatta University of Agriculture and Technology</p> <ul style="list-style-type: none"> <li>• Did experiments in Parasitology, microbiology, serology, biochemistry and virology laboratories</li> <li>• Data collection, analysis and report writing</li> </ul>

#### 4. Publications

M. T. Mumbo, G. F. O. Obiero, J. Kinyua and S. R. G. Nyanjom (2016). Comparative Characterization of Neurotransmitter Receptor Genes in Tsetse Fly Genomes. *Journal of Advances in Biology & Biotechnology*. 10(2): 1-32, 2016.

#### 5. Professional Affiliations

- Registered by the Kenya Medical Laboratory Technicians & Technologists Board (K.M.L.T.T.B)
- Kenya Bioinformatics Network (K.B.N)
- Kenya Society of Microbiologists (K.S.M)