
PERSONAL DETAILS



DATE OF BIRTH : 12TH AUGUST 1979

CURRENT EMPLOYER: JARAMOGI OGINGA ODINGA
UNIVERSITY OF SC. & TECH.

CONTACT ADDRESS: omuketiw@gmail.com, omuketiz@yahoo.com

Tel. +254721867067/ +733696659 / +254721909148

ACADEMIC BACKGROUND

2018 – 2021 Maseno University

Doctor of Philosophy (PhD) in Microbiology

Thesis Title: Diversity, Antagonistic Potential of Endophytes, Phytochemical and Antimicrobial Activity of Selected Agroforestry Trees Against *Xanthomonas campestris* pv. *musacearum* and *Cercospora zae-maydis*

2014-2017 Maseno University

Master of Science in Microbiology

Thesis Title: Characterization of *Xanthomonas campestris* pv *vesicatoria* in African Nightshades (*Solanum scabrum*) and its Control Using Extracts of *Bidens pilosa* L. and *Euphorbia hirta* L.

2012-2014 Kenya Methodist University

Bachelor of Science in Applied Biology; Second Class Honours Upper Division

2005- 2006 The Kenya polytechnic

Higher Diploma in Applied Biology

2000 - 2002 Mawego Technical Training Institute

Diploma in Applied Biology

1995- 1998 Lubinu High School Kenya Certificate of Secondary Education (K.C.S.E) C+

1986-1994 Musango Primary School Kenya Certificate of Primary Education
(K.C.P.E) 60 Points

TECHNICAL AREA OF SPECIALTY AND INTEREST

I have a wide array of technical skills in Microbiology, Pharmacology, Physiology, Haematology Parasitological and Ecological studies. My future interest is to advance my professional and competence in teaching and research in Microbiology and related units. I therefore seek to establish a career with a University Department and research institution that encourages both teaching and research activities

WORK EXPERIENCE

CAREER HISTORY

July 2011- Date: Laboratory Technologist, Jaramogi Oginga Odinga University of Science and Technology

Duties

- Arranging of practical for the students which involves; Specimens and sample preparation, Practical Manual preparation, Reagent preparation and ensuring risk mitigation measures are adhered to
- Carrying demonstrations on laboratory procedures e.g safety precautions in the laboratory.
- Maintaining of cleanliness in the laboratory.
- Maintaining laboratory records i.e movement of chemicals and other laboratory wares.
- Carrying out laboratory management practices.
- Teaching students good laboratory practice.

Jan 2007- April 2011: Part time Lecturer at the Kenya polytechnic Department of Applied sciences

Units; Microbiology, Pharmacology& Toxicology, Anatomy& Physiology, Plant husbandry & Pathology, Ecology, Laboratory Practice, Soil science, Genetics, Museum, Herbarium, Aquarium& Vivarium, Taxonomy of Plants and Animals

Jan 2007- April 2011: Lecturer at Nairobi Institute of Business Studies

Units: Microbiology, Pharmacology& Toxicology, Anatomy& Physiology, Plant husbandry & Pathology, Ecology, Laboratory Practice, Soil science, Genetics, Museum, Herbarium, Aquarium & Vivarium, Taxonomy of Plants and Animals

May 2003 – August 2005: Laboratory Technician Central Laboratory Service

Duties

- Collection of specimen sample
- Diagnosing of Diseases and Chemical Preparation
- Maintaining of laboratory cleanliness
- Laboratory Management Practice
- Maintaining laboratory records i.e movement of chemicals and other laboratory wares and patients record book.

OTHER TECHNICAL TRAINING

November 2014- Jaramogi Oginga Odinga University Of Science and Technology- Attended a workshop on Fire Safety facilitated by chief fire officer Kisumu.

July 2014 – Jaramogi Oginga Odinga University Of Science and Technology – Trained as an ISO 90001:2008 Internal Auditor by KEBS

August 2013 University of Nairobi - Trained in Biochemical and Molecular Biology Applications

PUBLICATIONS

1. **Emitaro W.O** and Musyimi D.M (2022). Efficacy of *Bidens pilosa* and *Euphorbia hirta* Extracts in Control of Bacterial Leaf Spot Disease of *Solanum scabrum*. International Journal of Research and Innovation in Applied Science (IJRIAS) | Volume VII, Issue V, May 2022 | ISSN 2454-6194
2. David Mutisya Musyimi, Ashioya Tracy Ann, George Opande, **William Omuketi Emitaro** (2021). Antibacterial activity of crude extracts of *solanum incanum* against *Escherichia coli* and *Staphylococcus aureus*. *Bacterial empire*, VOL. 4, NO. 2, e183
3. **Emitaro W.O**, Musyimi D.M, Opande G.T, Odhiambo G. (2020). Phytochemical and antimicrobial properties of leaf extracts of *Calliandra calothyrsus*, *Leucaena diversifolia* and *Sesbania sesban*. *Bacterial empire*, VOL. 3, NO. 3, 20-24.
4. **Emitaro W.O**, Musyimi D.M, Opande G.T, Odhiambo G. (2020). Bioactivity of Endophytes from *Calliandra calothyrsus*, *Leucaena diversifolia* and *Sesbania sesban* Against *Cercospora zea-maydis*. *International Journal of Research and Scientific Innovation* (IJRSI) | Volume VII, Issue VI, June 2020 |
5. **Emitaro W.O.**, Musyimi D.M., Otiato A.D., Onyango B. and Buyela D.K. (2018). Antibacterial effect of *Euphorbia hirta* and *Bidens pilosa* extracts against *Xanthomonas campestris* pv *vesicatoria* isolated from diseased African nightshade (*Solanum scabrum*). *International Journal of Microbiology and Mycology* Vol. 7, No. 5, p. 1-6, 2018.
6. **Emitaro W.O.**, Musyimi D.M., Otiato A.D. and Onyango B. (2017). Morphological, biochemical and molecular characterization of *Xanthomonas campestris* pv. *vesicatoria* of African nightshades (*Solanum scabrum* Mill.). *International Journal of Biosciences*, Vol. 11, No. 1, pp. 190-197.

REFEREES

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