



# THE TECHNICAL UNIVERSITY OF KENYA

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Faculty:	Applied Sciences and Technology
School:	HEALTH AND BIOMEDICAL SCIENCES
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## EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	ZOOLOGY (PARASITOLOGY)	JOMO KENYATTA UNIVERSITY OF AGRICULTURE & TECHNOLOGY(Kenya)	2011
Masters of Science (M.Sc.)	MEDICAL ENTOMOLOGY	UNIVERSITY OF NAIROBI(Kenya)	1995
Bachelor of Education (B.Ed)	SCIENCE	UNIVERSITY OF NAIROBI(Kenya)	1984
A Level/Equivalent	EAST AFRICAN ADVANCED CERTIFICATE OF EDUCATION	MOI GIRLS HIGH SCHOOL(Kenya)	1979
Short Course/ Training	BASIC COUNSELLING SKILLS	ST.JUDE COLLEGE(Kenya)	2004
Short Course/ Training	COUNSELLING FOR HIV/AIDS	ST.JUDE COLLEGE(Kenya)	2004
Short Course/ Training	PUBLICATION OF RESEARCH WORK	KEMRI(Kenya)	1995
Short Course/ Training	COMMUNITY BASED PROJECT	KEMRI(Kenya)	1993
O level/Equivalent	EAST AFRICAN CERTIFICATE OF EDUCATION	NYABURURU GIRLS SECONDARY SCHOOL(Kenya)	1977
KCPE/Equivalent	CERTIFICATE OF PRIMARY EDUCATION	NYABURURU PRIMARY SCHOOL(Kenya)	1973

## WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
2009 - TO DATE	THE TECHNICAL UNIVERSITY OF KENYA	SENIOR LECTURER
2000 - 2008	KENYA POLYTECHNIC	CHAIRSMN OF DEPARTMENT HEALTH SCIENCES AND TECHNOLOGY
1998 - 2000	OUR LADY OF MERCY GIRLS SCHOOL - SOUTH B	DEPUTY PRINCIPAL
1992 - 1997	UNITED STATES INTERNATIONAL UNIVERSITY AFRICA	LECTURER

#### GENERAL STATEMENT ON RESEARCH AREAS

“Utilization of Solid Municipal Waste as an Alternative Energy Source”

#### POSTGRADUATE STUDENTS SUPERVISION

NAME	PROJECT TITLE	PERIOD
Kiptoo Kamngoror Cosmas	MSc. in Medical Biochemistry. University. Effects Of Septrin And Amoxicillin Antibiotic Therapy On Gut Microbiota And Various Physiological, Immunological And Biochemical Processes Using A Mouse Model. 2022	3 Months
Jeremiah Maraga	MSc. Applied Parasitology - Zoological Sciences Determination of the efficacy and toxicity of identified herbal extracts against the in vitro Assays of Plasmodium falciparumat the Institute of Primate Research (IPR).2019.	3 Years
Onyango, Isabella Sophia	MSc.in Public Health (Epidemiology). Department of Public Health, Jaramogi Odinga University of Science and Technology. Determinants influencing management of domestic water at household level and diarrheal morbidity among children under five years of age in Kangemi, Nairobi County. 2021	3 Years
Victor Magero	MSc. Medical Parasitology - Mount Kenya University. A study to determine the efficacy and toxicity of identified extracts M5, M8 and F10 against the schistosomiasis vectors in Mwea Irrigation scheme and characterization of active ingredients. 2015	3 Years
Damaris Semo Imoli	MSc. in Public Health (Epidemiology), Department of Public HealthJaramogi Odinga University of Science and Technology. Factors influencing male partners participation in use of Family Planning method decision making in Nairobi county. 2022	3 Years
Mercy Rotich	MSc. Energy Technology – Jomo Kenyatta University of Science & Agriculture. Identification of appropriate processing techniques for conversion of solid municipal waste into alternative biomass fuel energy and establish production to improved livelihoods. 2021	2 Years
Jemimah Mulindi Ayodi	MSc.in Public Health (Epidemiology). Department of Public Health, Jaramogi Odinga University of Science and Technology. Establishing factors for non adherence to isoniazid preventive therapy in people living with HIV/AIDS at Westlands Health Center Nairobi, Kenya. 2022	2 Years
Wycliff Obuola Odongo	MSc. Environmental Studies - Egerton University. Effectiveness of conversion of unsorted Municipal Solid Wastes into alternative solid fuel, determine the microbial population and density and calorific values of the waste of the energy product (A case of Baba Dogo Estates, Ruaraka Constituency, Nairobi County). 2020	2 Years
Cleophas Obonyo Musumba	PhD. Health Management - Maseno University. A study on Transformation of Heath Systems Operations in Kenya: A Case study on consumer satisfaction.	6 Months