THE TECHNICAL UNIVERSITY OF KENYA

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School:	HEALTH AND BIOMEDICAL SCIENCES
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EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	PHYSICS AND ASTRONOMY	THE UNIVERSITY OF LEEDS(United Kingdom)	2020
Masters of Science (M.Sc.)	ASTROPHYSICS AND SPACE SCIENCE	UNIVERSITY OF CAPE TOWN(South Africa)	2015
Masters of Science (M.Sc.)	PHYSICS	MOI UNIVERSITY(Kenya)	2011
Bachelor of Education (B.Ed)	SCIENCE	MOI UNIVERSITY(Kenya)	2006
O level/Equivalent	KENYA CERTIFICATE OF SECONDARY EDUCATION	BARKANYANGO SEC SCHOOL(Kenya)	2000

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
Feb 2020 - July 2020	University of Manchester	Research Associate in scientific computing
2021 - 2023	University of Leeds	Visiting research fellow
2016 - 2019	University of Leeds	Computing Tutor (Part-time)
2013 - 2014	University of Cape Town	Physics tutor (Part-time)
2013 - 2014	University of Cape Town	Mathematics Tutor (Part-time)

SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
The SARAO MeerKAT 1.3 GHz Galactic Plane Survey	View online	2024
Spectroscopic and Photometric Study of Open Cluster Trumpler 27	View online	2016
A search for non-thermal radio emission from jets of massive young stellar objects	View online	2019
A multi-epoch study of radio continuum emission from massive protostars	View online	2021
Calculation of Fusion Reaction Cross-Section and Angular Momentum Window of 6Li, 16O, 56Fe and 86Kr on Fusion with 208Pb at ELAB = 500MeV	View online	2012
Properties of isolated galaxies in the Digital Survey Isolated Galaxies (DSIG) catalogue within a redshift range (0.005 < z < 0.080)	View online	2023
Observing the DART Impact from Kenya	View online	2023
Effects Of Galaxy Environment On The Concentration Index Clas-sification Tool	View online	2026
Gas flows in the central region of the Seyfert galaxy NGC 4593 with MUSE	View online	2024

POSTGRADUATE STUDENTS SUPERVISION

NAME	PROJECT TITLE	PERIOD
Calvince Juma	CHARACTERISATION OF CORNISH-SOUTH ULTRACOMPACT HII-REGIONS SAMPLE USING THE MeerKAT	2021 - 2023