



# THE TECHNICAL UNIVERSITY OF KENYA

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School:	PHYSICS AND EARTH SCIENCES
Department:	ASTRONOMY AND SPACE 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
Nov 2020 - 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 SARA0 MeerKAT 1.3 GHz Galactic Plane Survey	<a href="#">View online</a>	2024
Spectroscopic and Photometric Study of Open Cluster Trumpler 27	<a href="#">View online</a>	2016
A search for non-thermal radio emission from jets of massive young stellar objects	<a href="#">View online</a>	2019
A multi-epoch study of radio continuum emission from massive protostars	<a href="#">View online</a>	2021
Calculation of Fusion Reaction Cross-Section and Angular Momentum Window of ${}^6\text{Li}$ , ${}^{16}\text{O}$ , ${}^{56}\text{Fe}$ and ${}^{86}\text{Kr}$ on Fusion with ${}^{208}\text{Pb}$ at $\text{ELAB} = 500\text{MeV}$	<a href="#">View online</a>	2012
Properties of isolated galaxies in the Digital Survey Isolated Galaxies (DSIG) catalogue within a redshift range ( $0.005 < z < 0.080$ )	<a href="#">View online</a>	2023

#### POSTGRADUATE STUDENTS SUPERVISION

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