



# THE TECHNICAL UNIVERSITY OF KENYA

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## EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	PHYSICS	UNIVERSITY OF SOUTH AFRICA(South Africa)	2018
Masters of Science (M.Sc.)	PHYSICS	UNISA UNIVERSITY OF SOUTH AFRICA(South Africa)	2015
Bachelor of Science (BSc)	PHYSICS	MOI UNIVERSITY(Kenya)	2010
O level/Equivalent	Kenya Certificate of Secondary Education	KIOMITI SEC SCHOOL(Kenya)	2004

## WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
Jan, 2018 - To Date	Machakos University	Part-Time Lecturer-Physics
May, 2018 - To Date	Technical University of Kenya	Tutorial Fellow
Jan, 2016 - 2017	University of South Africa	Tutor

## SELECTED PUBLICATIONS

TITLE	LINK TO PULICATION
Observation of a Structure and Line Shape Evolution of Non-resonant Microwave Absorption in a SmFeAs(O,F) Polycrystalline Iron Pnictide Superconductor	<a href="https://link.springer.com/article/10.1007/s10948-015-3106-6">https://link.springer.com/article/10.1007/s10948-015-3106-6</a>
Anomalous non-resonant microwave absorption in SmFeAs (O, F) polycrystalline sample	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0921453416301149">https://www.sciencedirect.com/science/article/abs/pii/S0921453416301149</a>
Temperature Dependence Low-Field Microwave Absorption in a Powder Sample of SmFeAs (O, F) Iron Pnictide Superconductor	<a href="https://link.springer.com/article/10.1007/s10948-016-3845-z">https://link.springer.com/article/10.1007/s10948-016-3845-z</a>
Non-Resonant Microwave Absorption in SmFeAsO <sub>0.80</sub> F <sub>0.20</sub> : Line Shape and Structure Evolution with Temperature	<a href="https://link.springer.com/article/10.1007/s10948-017-4074-9">https://link.springer.com/article/10.1007/s10948-017-4074-9</a>
Removal of fluoride ions using a polypyrrole magnetic nanocomposite influenced by a rotating magnetic field	<a href="https://pubs.rsc.org/en/content/articlelanding/2020/ra/c9ra07379e#!divAbstract">https://pubs.rsc.org/en/content/articlelanding/2020/ra/c9ra07379e#!divAbstract</a>
Novel normal-state low field microwave absorption in SmFeAsO <sub>1-x</sub> F <sub>x</sub> iron pnictide superconductors	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0038109819304338">https://www.sciencedirect.com/science/article/abs/pii/S0038109819304338</a>
Analyzing the uncertainties between reanalysis meteorological data and ground measured meteorological data	<a href="https://www.sciencedirect.com/science/article/pii/S0263224120306485?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S0263224120306485?via%3Dihub</a>
Effect of hexavalent chromium on the environment and removal techniques: A review	<a href="https://www.sciencedirect.com/science/article/pii/S0301479720317345">https://www.sciencedirect.com/science/article/pii/S0301479720317345</a>
Facile synthesis and applications of carbon nanotubes in heavy-metal remediation and biomedical fields: A comprehensive review	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0022286021005950">https://www.sciencedirect.com/science/article/abs/pii/S0022286021005950</a>
Environmental implications of petroleum spillages in the Niger Delta region of Nigeria: A review	<a href="https://www.sciencedirect.com/science/article/pii/S0301479721009348">https://www.sciencedirect.com/science/article/pii/S0301479721009348</a>