



THE TECHNICAL UNIVERSITY OF KENYA

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Faculty:	Applied Sciences and Technology
School:	PHYSICS AND EARTH SCIENCES
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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 SECONDARY SCHOOL(Kenya)	2004
KCPE/Equivalent	KENYA CERTIFICATE OF PRIMARY EDUCATION	MOKOROGONWA PRIMARY SCHOOL(Kenya)	1998

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
Jan, 2018 - To Date	Machakos University	Part-Time Lecturer-Physics
November, 2018 - To date	Technical University of Kenya	Lecturer
May, 2018 - October, 2018	Technical University of Kenya	Tutorial Fellow
2016 - 2017	University of South Africa	e-tutor
Jan, 2015 - 2017	University of South Africa	face to face tutor

SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
Observation of a Structure and Line Shape Evolution of Non-resonant Microwave Absorption in a SmFeAs(O,F) Polycrystalline Iron Pnictide Superconductor	View online	
Anomalous non-resonant microwave absorption in SmFeAs (O, F) polycrystalline sample	View online	
Temperature Dependence Low-Field Microwave Absorption in a Powder Sample of SmFeAs (O, F) Iron Pnictide Superconductor	View online	
Non-Resonant Microwave Absorption in SmFeAsO _{0.80} F _{0.20} : Line Shape and Structure Evolution with Temperature	View online	
Removal of fluoride ions using a polypyrrole magnetic nanocomposite influenced by a rotating magnetic field	View online	
Utility of bionanocomposites for wastewater treatment	View online	
Developments, utilization and applications of nanobiosensors for environmental sustainability and safety	View online	
Fly Ash-based Adsorbent for Adsorption of Heavy Metals and Dyes from Aqueous Solution: A Review	View online	
Bionanomaterials for biosensor technology	View online	
Novel normal-state low field microwave absorption in SmFeAsO _{1-x} F _x iron pnictide superconductors	View online	
A systematic review on the detection and monitoring of toxic gases using carbon nanotube-based biosensors	View online	
Electrochemical Detection of Heavy Metals	View online	
Analyzing the uncertainties between reanalysis meteorological data and ground measured meteorological data	View online	
Effect of hexavalent chromium on the environment and removal techniques: A review	View online	
Facile synthesis and applications of carbon nanotubes in heavy-metal remediation and biomedical fields: A comprehensive review	View online	
Malachite Green Removal by Activated Potassium Hydroxide Clove Leaf Agrowaste Biosorbent: Characterization, Kinetic, Isotherm, and Thermodynamic Studies	View online	
Environmental implications of petroleum spillages in the Niger Delta region of Nigeria: A review	View online	
Sensing the Presence of Inorganic Ions in Water: The Use of Electrochemical Sensors	View online	
Photoelectrochemical Application of Nanomaterials	View online	
Electrode Materials for Pharmaceuticals Determination	View online	
Biosensing Applications of Electrode Materials	View online	
The use of biochar-NH ₂ produced from watermelon peels as a natural adsorbent for the removal of Cu(II) ion from water	View online	
A Methodical Review on the Applications and Potentialities of Using Nanobiosensors for Disease Diagnosis	View online	
A Facile Review on the Sorption of Heavy Metals and Dyes Using Bionanocomposites	View online	
Biosorption of acid brown 14 dye to mandarin-CO-TETA derived from mandarin peels	View online	
A Methodical Review on Carbon-Based Nanomaterials in Energy-Related Applications	View online	