# THE TECHNICAL UNIVERSITY OF KENYA

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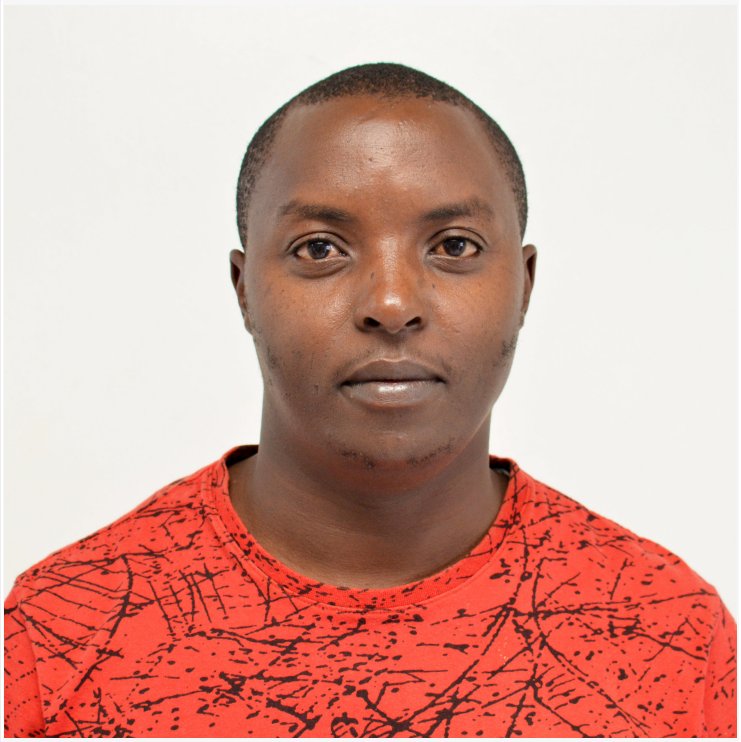

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|---|---|
| Faculty: | Applied Sciences and Technology |
| School: | PHYSICS AND EARTH SCIENCES |
| Department: | TECHNICAL AND APPLIED PHYSICS |
| Current Designation: | Senior Lecturer, TECHNICAL AND APPLIED PHYSICS (DTAP) |
| Office Telephone: | +254(020) 2219929, 3341639, 3343672 |
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| Consultation Hours: | 8AM-5PM MON - FRI |

## 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 | MOKOROGOINWA 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 SmFeAsO0.80F0.20: 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 SmFeAsO1−xFx 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-NH2 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 | |