

University of Nairobi Presentation to RSIF PhD Scholars 2020 during Orientation Training, 28th June – 2nd July 2020

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The **PASET** Regional Scholarship and Innovation Fund



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About The University of Nairobi

- First and largest University in Kenya**
- Six Colleges:**
 - **Agriculture and Veterinary Medicine**
 - **Architecture and Engineering**
 - **Biological and Physical Sciences**
 - **Education and External Studies**
 - **Health Sciences**
 - **Humanities and Social Sciences**

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RSIF Selected Ph.D Program

- **Ph.D in Physics**
 - School of Physical Sciences
 - Department of Physics
- **Thematic Area**
 - Energy including Renewable

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RSIF Selected Ph.D Program-Cont.

- **Research Areas**
 - Solar Energy Materials, Photovoltaics, Photothermal, Renewable Energy
 - **Research area for Ph.D students**
 - Current. Solar cells- Dye-sensitized, Perovskites, ETA, Thin films; Solar Energy Materials. Open to others. Smart materials for energy-Catalyst, energy storage, H₂, Fuel cells; Energy efficient processes; Energy Economics, policy & management, Geothermal, etc, Biomas
 - Cohort II RSIF **PhD students (2019/2020): 11**
 - Cohort III RSIF **PhD students (2020/2021): 11 Selected**

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RSIF Selected Ph.D Program- Cont.

Faculty of the Ph.D Program (Dept. of Physics, UoN)

Professor - 2

Associate Professor - 2

Senior Lecturer -4

Lecturer -2

Other Faculty - 10

- UoN Departments: Mechanical and Manufacturing Engineering, Electrical Engineering, Chemistry, Geology.
- Other collaborating universities / Institutes

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Faculty, Research interest

 <p>Julius Mwabora Professor</p> <p>RSIF Contact Person</p>	<p>Dye sensitized solar cells, Solar energy materials, Thin films, Nanomaterials for Energy and Environment, Engineered nanomaterials and nature interface, Energy</p>
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 <p>Francis Nyongesa Assoc. Professor</p>	<p>Functional Materials for Energy Efficiency Systems (Dye Sensitized Solar Cells) and Water Purification Systems</p>
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Faculty, Research interest-Cont.



Prof. Bernard
Aduda

Professor

Materials Science,
Nondestructive
evaluation and
characterization:
Interests -
Microstructure-
property
relationships,
Thermophysical
properties of
solid, Renewable
energy sources



Dr. Sebastian
Waita

Senior Lecturer

Photovoltaics,
materials for solar
energy
conversion,
nanotechnology,
thin film
characterization

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Faculty, Research interest-Cont.



Dr. Silas
Mureramanzi
Senior Lecturer

Elementary
particle physics,
classical
electrodynamics,
molecular
electrooptics,
photo
electrochemical
conversion and
storage for solar
energy.



Dr. Thomas
Nyangonda

Lecturer

Solar Energy
Materials

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Faculty, Research interest-Cont.



Prof. Robinson
Musembi

Associate
Professor

Thins films, solar
cells,
photovoltaics,
smart windows,
gas sensors

Staff from
collaborating
Departments/Uni
versity/Institutes

Energy including
renewable

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ADMISSION TO UNIVERSITY OF NAIROBI

- Application is done online through the Online Application System: <https://application.uonbi.ac.ke/>
- Apply for Doctor of Philosophy in Physics (I801)
- Admission Criteria

Doctor of Philosophy Degree: The applicants for the Doctor of Philosophy Degree should have a masters degree from the University of Nairobi or an equivalent qualification from institutions recognized by Senate. In addition, the applicants should submit a research proposal showing that they are capable of carrying out original research.

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PhD by thesis only -Requirements

1. KCSE/O-Level Certificate
2. Certified copies of undergraduate degree certificate and transcripts
3. Applicants with KCSE C (plain) to attach certified copy of diploma from KNEC in addition to those stated in 1 & 2
4. Applicants with KCSE C- (minus) to attach certified copies of a certificate and a diploma in addition to those stated in 1 & 2
5. Certified copies of masters degree certificate and transcripts
6. PhD Proposal

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Other requirements

- To attach documents certified by the university attended
- Show evidence of accreditation status in cases where one studied in a foreign university
- Proof of English proficiency for non-English speaking countries only
- Translated documents into English for applicants from non-English speaking countries should be attached

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For more information contact

Regional Coordination Unit

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