

Ibrahim Kipngeno Rotich

Researcher, PhD. Scholar

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ACADEMIC DEGREES

- Sep.2021-** **Ph.D. in Environmental Science**
Inverse design of wind turbine blades for extreme weather applications
*Eötvös Loránd University, Savaria Institute of Technology,
Szombathely, Hungary*
- Sept.2019 – Jul.2021** **M.Sc. Environmental Science**
Master thesis: Optimal evaluation of Bio-methane potential of
Cuscuta japonica
Eötvös Loránd University, Budapest, Hungary
- Sep.2013 – Nov.2017** **Bachelor of Technology in Renewable energy and Environmental
Physics**
Title of thesis: Design of an energy hybrid power system option for off grid
rural town
Technical University of Mombasa

EXPERIENCE AND WORKPLACES

- May. 2018– Oct. 2018** **Renewable Energy Research Assistant**
Rencon Associates Limited
Nairobi, Kenya
- Nov. 2017 – Feb. 2018** **Intern**
Climate and Energy Advisory
Nairobi, Kenya
- May.2016- Aug. 2016** **Attachee**
Kenya Electricity Generating Company (KenGen)
Muranga, Kenya

RESEARCH INTERESTS

- Investigating aerodynamic performance of wind turbine blades under adverse weather conditions through inverse design, numerical simulation (ANSYS) and experiments in a wind tunnel.

GRANTS AND AWARDS

1. Scholarship for Young Christian People (SCYP) 2019-2021, MSc in Environmental Science, ELTE, TTK campus, Budapest
2. ACEPTRE II Sscholarship, 2018-2019, MSc In Energy Science, Moi University, Kesses

LANGUAGES

- English: Fluent
- Swahili: Fluent
- Kalenjin: Native

SOFTWARES

- HOMER Software
- ANSYS FLUENT

PUBLICATIONS

Rotich, I. K., & Mosiori, C. (2017). Design of an energy hybrid power system option for off grid rural town. *Animation, Software Development and Engineering Journal (ADSEJ)*. Retrieved from https://www.academia.edu/33100881/ASDEJ_DESIGN_OF_AN_ENERGY_HYBRID_POWER_SYSTEM_OPTION_FOR_OFF_GRID_RURAL_TOWN

Rotich, I. K., Marialigeti, K., Kalapos, T., Masenge, E., & Mbithi, V. (2021). Optimal evaluation of Bio-methane potential of *Cuscuta japonica*. *Journal of Engineering in Agriculture and the Environment*, 7(2), 15-27. doi:<https://doi.org/10.37017/jea-vol7-no2-2021-2>