

ISACK KANDOLA



Current third-year Ph.D. student and MIRET credit seeking at Moi University, Eldoret Kenya

I am a third-year Ph.D. student and MIRET credit seeking at Moi University, Eldoret Kenya. My home university is Nelson Mandela African Institution of Science and Technology (NM-AIST) located in Arusha, Tanzania. I'm working on renewable energy focusing on the synthesis of a heterogeneous solid catalyst from alkalinity volcanic soil for the valorization of (glycerol) waste products from biodiesel production to glycerol carbonate, a green and new product used as an electrolyte in solar lithium-ion battery for energy source storage application, particularly for off-grid area. I'm a Master's holder in Materials science and engineering from (NM-AIST) specializing in energy materials. On other hand, I'm working as an assistant lecturer at the School of Materials, Energy, water and Environmental Science (MEWES).

With this project, I hope to further increase people's access to clean renewable and reliable energy sources. Once I complete my project, I aspire to work in materials science as a researcher to enable my off-grid communities near Ngorongoro, and Serengeti national parks to have a sustainable renewable source of energy with environmental friends. I authored and co-authored multiple scientific contributions in international peer-reviewed journals. My free time is usually consumed by watching, playing football and feeding cattle.