



THE NELSON MANDELA AFRICAN INSTITUTION OF SCIENCE AND TECHNOLOGY (NM-AIST)

Re-Advertisement of Full Scholarships under the Sustainable Valorization of Agro-industrial Residues through Integration of Food, Bio-products and Bioenergy Production (AgroVal) project for 2022/2023 Academic Year

Background

The Nelson Mandela African Institution of Science and Technology (NM-AIST) in Arusha, Tanzania in collaboration with Technical University of Denmark (DTU) in Denmark are implementing a project on *Sustainable Valorization of Agro-industrial Residues through Integration of Food, Bio-products and Bioenergy Production (AgroVal)*” project No. 21-07-DTU, funded by the Ministry of Foreign Affairs of Denmark (MFA) and being administered by DANIDA Fellowship Centre (DFC). The NM-AIST is looking for one (1) PhD candidate admitted at NM-AIST in Environmental Sciences and Engineering (EnSE) or in the process of admission. The PhD studies will be on research and thesis mode. The PhD candidate will undertake research studies on the assessment of the project on the economic, social and environmental sustainability. The studies will focus on the Life Cycle, (LCA) for coffee, Sisal and Mushroom processing by quantifying environmental impact, techno-economic assessment which will involve costing the proposed technology of bio-composite and biogas and social impact assessment on job creation and green economic growth. This is a full scholarship as per the NM-AIST fees structure.

Eligibility Criteria

Applicants are required to have the following minimum qualifications:

1. Be holders of a Bachelor of Arts in Economics, Bachelor of Science in Agricultural Economics and Agribusiness/Environmental Sciences and Engineering. S/he must possess Master’s degree in Environmental Sciences, Economics or Agricultural Economics or related field from recognized Universities.
2. Be highly motivated individuals to develop a scientific career and be capable of completing the doctoral studies within the prescribed period (3 years).

3. Be interested in undertaking research in economics and environmental related sciences.
4. Not already enrolled in a sponsored PhD programme.
5. Be willing to work in a team and have a strong ambition to accomplish the research goals of the project.
6. Have good academic records /transcripts with at least a credit or strong pass and a GPA of not less than 3.8 for Bachelor Degree and 4.0 for Masters from recognized university in Tanzania.
7. Have excellent communication skills as well as good command of spoken and written English.
8. Have perspectives on future use of PhD skills for teaching, research, and extension, as well as for self-employment under the Private sector.
9. Have full time availability from July, 2022 for a period of 3 years.
10. Evidence of at least one (1) peer reviewed publication or accepted paper in the focus field or related field will be an added advantage

How to apply

Potential applicants are hereby invited to submit the following:

1. One (1) page Motivation letter,
2. Curriculum vitae (including information on academic carrier, specialization and publications) Maximum two (3) pages
3. Academic transcripts and certificates,
4. Three names of academic referees whereby at least one of them being the immediate work supervisor,
5. Four (4) pages concept note on the thematic field of interest. The concept note should contain an outline of the problem statement and rationale for the proposed study, objectives, methodological approach and expected outputs.
6. Evidence of at least one (1) peer reviewed publication or accepted paper in the focus field or related field will be an added advantage
7. NM-AIST student admission letter on Research and Thesis degree mode. Those who don't have admission letters can apply it through the following link not later than 24th June, 2022: <https://oas.nm-aist.ac.tz:8443/noas/>
8. Female candidates are highly encouraged and motivated to apply

Other Instructions

1. Incomplete documents or failure to follow instructions will automatically lead to disqualification.
2. Only successful candidates will be informed for further instructions on reporting time to commence studies at NM-AIST.
3. All applications and supporting documents must be sent to NM-AIST using the following email: agroval.danida@nm-aist.ac.tz

Deadline for receiving applications is on Sunday 26th June, 2022.