



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

**Re-Advertisement of 2 PhD and 2 MSc Scholarships under the ARISE-PP Project for
the 2021/2022 Academic Year**

The Nelson Mandela African Institution of Science and Technology (NM-AIST) based in Arusha-Tanzania is one in a network of Pan-African Institutions of Science and Technology located across Sub-Saharan Africa. NM-AIST is training and developing the next generation of African scientists and engineers with a view of impacting continent's development through the application of Science, Engineering, Technology and Innovation (SETI). NM-AIST is implementing a project titled “**Solar-biogas hybrid dryer: an energy efficient and environmentally friendly technology for drying agricultural products**” funded by the European Union under the African Research Initiative for Scientific Excellence Pilot Programme (ARISE-PP). The ARISE programme is implemented by the African Academy of Sciences (AAS) with the European Commission and the African Union Commission as strategic oversight partners. The overall objective of ARISE-PP project is to enhance the capabilities of emerging African research leaders committed to a research and teaching career in Africa, to strengthen institutional research management and support systems to enable pan-African research to thrive, and to support the generation of cutting-edge research in contribution to the transformation of Africa into a knowledge-based and innovation-led continent and towards the transformation of lives in Africa through science. One of the activities of the project is to provide academic financial support to highly talented African students to undergo training at NM-AIST.

The ARISE-PP project has therefore set aside 2 PhD and 2 MSc scholarship positions. The scholarship shall competitively be made available to implement the above-mentioned project.

Applicants for PhD positions must have a Master degree in Mechanical/Energy Engineering, Materials Engineering / Agricultural Engineering / Agricultural economics.

Applicants for PhD positions must submit the following documents in **single PDF file**:

- 1) Certified copies of academic transcripts and certificates.
- 2) A recommendation letter from the current employer and/or previous supervisor / educator with the emphasis of competence of the applicant on the above study area.
- 3) At least one publication (more publications will be an added advantage)
- 4) A max. 2-page of Curriculum Vitae (CV).
- 5) A max. 2-page research concept note related to the project.
- 6) A max. 2-page motivation letter.
- 7) A valid NM-AIST admission letter indicating a **Research and Thesis or Course Work and Dissertation study mode** in Sustainable Energy Science and Engineering / Materials Science and Engineering (Energy specialty) / Sustainable Agriculture. Those who don't have admission letters can apply it through the following link: <https://oas.nm-aist.ac.tz:8443/noas/>.

The PhD scholarships will run for the maximum of three years. The scholarship is initially granted for one year and may be subsequently extended upon successful academic performance.

Applicants for MSc positions must have a Bachelor degree in Mechanical Engineering / Energy Engineering / Agricultural Engineering.

Applicants for MSc position must submit the following documents in **single PDF file**:

- 1) Certified copies of academic transcripts and certificates.
- 2) A recommendation letter from the current employer and/or previous supervisor / educator with the emphasis of competence of the applicant on the above study area.



- 3) A max. 2-page of Curriculum Vitae (CV).
- 4) A max. 2-page research concept note related to the project.
- 5) A max. 2-page motivation letter.
- 6) A valid NM-AIST admission letter in Sustainable Energy Science and Engineering / Materials Science and Engineering (Energy specialty). Those who don't have admission letters can apply it through the following link: <https://oas.nm-aist.ac.tz:8443/noas/>.

The MSc scholarships will run for the maximum of two years. The scholarship is initially granted for one year and may be subsequently extended upon successful academic performance.

Incomplete documents or failure to follow instructions will automatically lead to disqualification.

Other important information:

- 1) All applications and supporting documents must be sent to: arise-pp@nm-aist.ac.tz.
- 2) The scholarship will cover tuition fee, stipend, accommodation and research costs as per the NM-AIST current fee structure.
- 3) Applicants applying for these positions must not be older than forty (40) years old for PhD and not more than thirty-five (35) years old for MSc.
- 4) **Competences in using AutoCAD/SolidWorks will be one of the key criteria during selection.**
- 5) Female candidates are highly encouraged to apply.
- 6) **The deadline for receiving applications: Monday, 30th August 2022.**