

WISE-Futures

Centre for Water Infrastructure and Sustainable Energy Futures, NM-AIST, Arusha, Tanzania.

Dr. Mussa A. Dida



Key Development Challenges:

Water, Sanitation and Energy security in the region

Vision:

To achieve excellence in teaching, learning, research, and outreach in water, sanitation, and energy security.

Mission:

- Provide excellent learning environment for graduates to specialize in water and energy related fields.
- Provide stimulating environment for early career researchers solving pressing problems related to water, sanitation and energy security
- Strengthen regional and international research collaboration in order to promote the development of cutting edge solutions to water, sanitation, and energy challenges

Incubation Center: In establishment phase

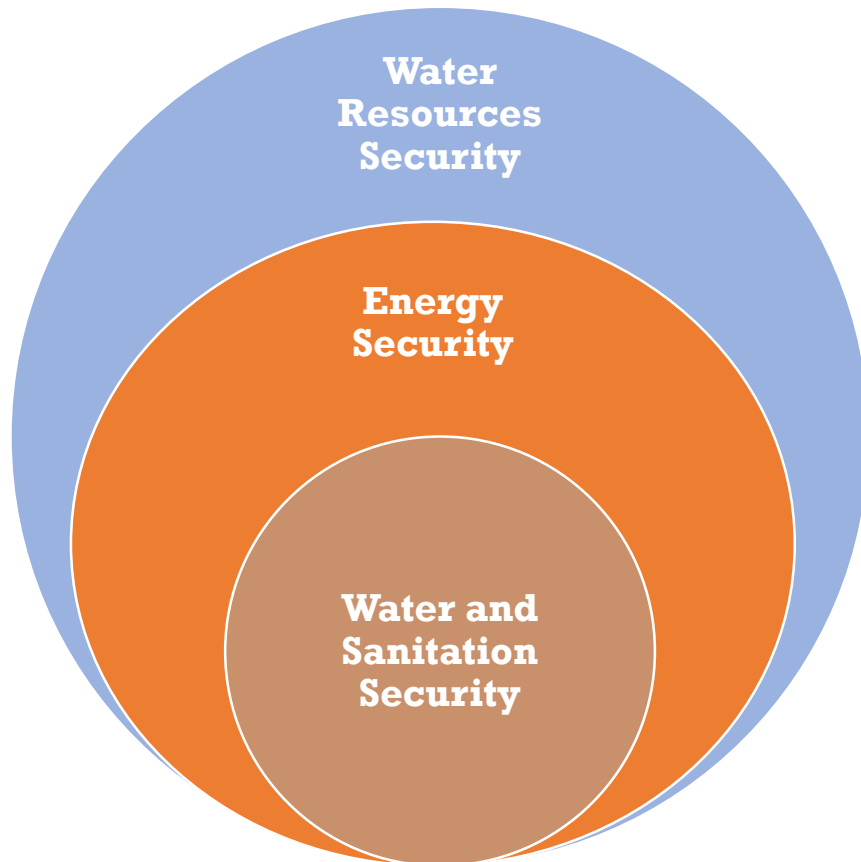


PASET

Partnership for Skills
in Applied Sciences,
Engineering & Technology

ACE Africa Centers of Excellence

Focus Areas



Centre Core Activities



Learning Excellence

- Strengthening and developing new MSc. and PhD Programmes
- Short courses/apprentice
- Staff & student exchange



Outreach/ Partners

- Industry linkage
- Internship
- Student mentorship



Research Excellence

- Research chairs
- Conferences
- Staff & student exchange
- Collaboration

Research and Innovation Topics



- ✓ waste management for textile sludge.
- ✓ Human biogas for home applications.
- ✓ Solar DC power inverter for home use.
- ✓ A demand side management of a small hybrid micro grid.
- ✓ Electrochemical Capacitive deionization stack design for desalination
- ✓ climate change issues on hydrological cycle and water resources



Areas of Collaboration

For Partner Universities

- Exchange of professors and researchers
- Exchange of students (PhD and Master)
- Collaborative research and joint academic meetings
- Exchange of information, publications and materials for academic purposes
- Resource Mobilization (Proposal write-ups)
- Academic programs reviews

For Partner Companies

- Joint Professional Short Courses, Workshops and trainings
- Support of Staff and Student Exchange/Visit
- Donation of research equipment (e.g. Drone machine, Cabin filter Machine etc.).



Contact information

Dr. Mussa A. Dida

Head of Teaching and Learning,
WISE-Futures

Email: mussa.ally@nm-aist.ac.tz

Mobile: +255 689 061 428