



REPUBLIC OF KENYA



Fountain Of Water Knowledge

# WEEKLY Newsletter

APRIL 22-28, 2023



REPUBLIC OF KENYA



Fountain Of Water Knowledge

MINISTRY OF WATER, SANITATION & IRRIGATION  
KENYA WATER INSTITUTE

## Water Quality Management Symposium

Call for Delegates and Exhibitors Registration

**Submission Deadline: 12<sup>th</sup> May 2023**

### Deadlines Loom for Symposium Registrations and Submissions

BY PIUS KIMANI

Preparations for the upcoming Water Quality Management Symposium that is set to take place on 25th-26th May 2023 at KEWI Main Campus, Nairobi are on top gear with the final call for participation and competition entering a decisive phase.

The symposium organized by Kenya Water Institute (KEWI) in collaboration with Ministry of Water, Sanitation and Irrigation (MWSI) aims to mobilize stakeholders around the issue of quality water.

With less than four weeks remaining to the big day,

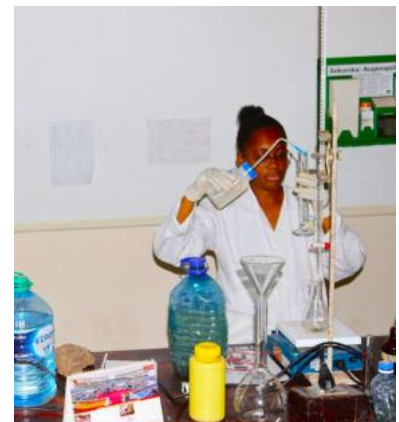
exhibitors and delegates interested in participating in the event have upto 12th May 2023 to declare their interest by registering with the organizers. Delegates have been instructed to pay Ksh. 30,000 while young professional below 25 years willing to participate will part with Ksh 20, 000 for the tickets.

Exhibitors willing to showcase their innovative products and services in line with the theme of the event will pay Ksh 50,000 which will cater for an exhibition booth, power socket, a table and two chairs.

Water Quality Management Competition participants drawn from primary and secondary schools and tertiary institutions

#### HIGHLIGHTS

- 4 KEWI Signs a Partnership Deal with a Kisumu NGO
- 4 KEWI and AQUAYA Research
- 6 AICAT Scholarship Program eligibility criteria
- 7 Call for Applications



# Deadlines Loom for Symposium Registrations and Submissions



MINISTRY OF WATER, SANITATION & IRRIGATION  
KENYA WATER INSTITUTE

## Water Quality Management Symposium

Call for Arts, Essays, Poems and Innovations

For Primary & Secondary Schools and Tertiary Institutions

**Submission Deadline: 15<sup>th</sup> May 2023**

## Deadlines Loom for Symposium Registrations and Submissions

have upto to 15th May 2023 to submit their essays/poems, innovations and artwork for consideration during the competition slated to take place on the first day of the symposium.

Themed “Accelerating change towards access to good water quality for sustainable development”, the symposium stakeholders will benefit from knowledge sharing and dissemination platform, exhibitions and innovations.

Key sub thematic areas and topics that will be addressed during the event is as shown below.

### 1. Water Quality Management

- Water resources

management.

- Drinking water quality.
- Water quality and irrigated agriculture.
- Ground and surface water modeling.
- Surface and groundwater pollution & prevention Water, sanitation, and hygiene.

### 2. Technologies and innovations for water quality management

- Smart metering and water quality.
- Water quality testing techniques.

- Water harvesting techniques.
- Water and sanitation Innovations.
- Water treatment technologies.

### 3. Financing water quality management

- Public-Private Partnership for water quality Management.
- Entrepreneurship.
- Models for financing water quality management.

### 4. Capacity building and research for water management

- Efficiency in the industrial,

## Deadlines Loom for Symposium Registrations and Submissions

domestic and irrigation water use.

- Capacity building for water quality management

Models for financing water quality management.

### 4. Capacity building and research for water management

- Efficiency in the industrial, domestic and irrigation water use.
- Capacity building for water

quality management.

- Climate change and other emerging issues.
- Water and sanitation safety planning.
- Careers in IWRM.

### 5. Policies and regulations in water quality management

- Gender & Governance.
- Urban planning, development and water quality.
- Water quality standards.

- Water quality regulatory frameworks.

The symposium will also seek to enhance on Sustainable Development Goal 6 on drinking water, sanitation and hygiene and also help address issues of quality and sustainability of water resources which are critical to the survival of people and planet.

## KEWI Signs a Partnership Deal with a Kisumu NGO

BY DORINE EVA

**K**enya Water Institute-KEWI has been hailed for its commitment to human resource and capacity development in the water sector.

Speaking during the signing of a Memorandum of Understanding (MOU) between KEWI and Rafiki wa Maendeleo Trust (RWMT) an NGO based in Kisumu County, RWMT Executive Director, Mr. Willis Ochieng termed KEWI as a great partner whose technical support is timely.

Mr. Ochieng noted that three of their projects namely West Uyoma Water Project and Koteyo – Kiswaro Water projects and Rarieda Training and Resource Center (RTRC) will greatly benefit from the technical support offered by KEWI.



*Dr. Letangule and Mr. Ochieng during the signing of the MOU*

## KEWI Signs a Partnership Deal with a Kisumu NGO

In his remarks the KEWI CEO Dr. Leiro Letangule reiterated KEWI's dedication to its core mandates of training, research, consultancy and outreach and in particular, lauded the MOU as a critical enabler of the outreach component.

Under the agreement, KEWI

students are primed to benefit from practical learning opportunities, attachment, and internships at RWMT water projects.

The Memorandum will facilitate learning exchanges for KEWI students and staff.

The MOU signing exercise that took place on Thursday

27th April 2023 was witnessed by Mr. Willis Ochieng, RWMT Executive Director, Mr. Walter Ogowe, Technical Manager, and Mr. Harun K'Odiaga, Program Officer, Mr. Paul Rarieya, KEWI Kisumu Campus Principal, and Mr. Otieno, KEWI Kisumu Campus Registrar.

## KEWI and AQUAYA Explore Areas of Joint Research

BY PIUS KIMANI

**A**QUAYA is seeking to harness KEWI's research strengths to help input in its critical database.

In a meeting held between Dr. Leiro Letangule, CEO, Kenya Water Institute and Haleema Qureshi, Programs Manager, AQUAYA, the data-driven NGO that is dedicated to improving safe water and sanitation access in low-resource setting sought to explore possible areas of partnership between the two entities.

Given KEWI's role in water sector in Kenya, the combined research findings will be used to address the global public health crisis of complications arising from water, sanitation and hygiene-related causes.

This will consequently promote evident-based decision making that will promote impactful, sustainable, and equitable and climate resilient Water, Sanitation and Hygiene (WASH) policy and programming in urban and peri-urban areas.



*From right: Dr. Leiro Letangule, Ms. Haleema Qureshi and Mr Leonard Makokha*

In partnership with KEWI, AQUAYA is also seeking to better understand the best approaches for formally engaging Small, Local Providers (SLPs) to deliver safe water services in cities through Urban Resilience by Building and Applying New evidence in Water, Sanitation and Hygiene (URBAN WASH), a USAID program which is led by Tetra Tech and a Consortium of partners and funded out of the Bureau for Resilience and Food Security in Washington DC.

# Addressing Food Security in Kenya through The AICAT Program

BY PIUS KIMANI

**K**enya Water Institute-KEWI graduates below the age of 28 years are poised to benefit from an intensive 11 month agricultural program sponsored by the Arava International Center for Agriculture Training (AICAT) and which is set to be held in Arava, Israel from August 2023.

The practical agricultural training will run from August 2023 to June 2024 and seeks to train the successful applicants on Agriculture Business Management, Viticulture and Orchard, Introduction to agricultural structures, Introduction to Modern Irrigation, Aqua-Culture Farming, Innovation Agriculture and Agriculture entrepreneurship among other courses with an aim to equip them with theoretical and practical tools crucial for their countries' food safety and security.

Based on "Learning by Doing" the training will further impact the graduates economically in order to help them establish successful model farms and businesses that integrate professionally in public and private sector in their

respective communities.

Once through with the training, the graduates will also become community agricultural leaders and mentors, changing their way of thinking from a traditional to innovative thinking out of the box, an endeavor that will largely

been coordinating the Arava International Centre for Agricultural Training (AICAT) experiential program at KEWI from 2016 indicates that an impressive number of 148 KEWI graduates have benefited before from the Advanced Agricultural Studies offered under the program.

The Arava International Center for Agriculture (AICAT) which was established in 1994 with the support of the Ministry of Foreign Affairs and the Ministry of Agriculture, Israel, trains over 1,000 students every year from Academic Institutes in 3 different programs: Diploma program, Masters program in Plant Science in cooperation with Tel- Aviv University and short term course in Advanced Agricultural Studies.

The program is intended for undergraduate students in agricultural institutes mostly in Asia (Vietnam, Myanmar, Nepal, Indonesia, Cambodia, Thailand, Laos, East-Timor) as well as Africa (Ethiopia, Uganda, Malawi, Zimbabwe, Nigeria, Kenya and South Sudan).

*(See extra information next page)*



**Arava International Center for  
Agriculture Training  
(ISRAEL)**

## Diploma Program

### 2023-2024 Call for Applications

contribute to achievement of the Country's Big 4 agenda, Vision 2030 and also contribute to solutions on food security problems Kenya is facing and especially now that the effects of climate change are real and with us.

Data from the office of the Academic Affairs which has

# The AICAT Program Scholarship eligibility criteria

## GUIDANCE TO APPLICATION 2023-2024

### 1. BACKGROUND

The Arava International Center for Agriculture (AICAT) was established in 1994 with the support of the Ministry of Foreign Affairs and the Ministry of Agriculture, Israel. The center trains over 1,000 students every year from Academic Institutes in 3 different programs: Diploma program, MSc program in Plant Science in cooperation with Tel- Aviv University and short term course in Advanced Agricultural Studies.

AICAT is pleased to invite students to participate in a professional and successful agricultural program based on "Learning by Doing ". The program is intended for undergraduate students in agricultural institutes mostly in Asia (Vietnam, Myanmar, Nepal, Indonesia, Cambodia, Thailand, Laos, East-Timor) as well as Africa (Ethiopia, Uganda, Malawi, Zimbabwe, Nigeria, Kenya and South Sudan).

The program is held over 11 months (the whole agricultural season). Students live on farms in the Arava region where they are exposed to the high technologies and the advanced agriculture.

### 2. IMPACT

The AICAT program impacts on graduates lives in various aspects:

**Social Impact:** They become community leaders and agricultural mentors, change their way of thinking from a traditional way to innovative thinking out of the box.

**Academic Impact:** Students go back to their home countries with theoretical and practical tools crucial for their countries' food safety and security and after pursuing higher academic education in Israel and abroad.

**Economic Impact:** Graduates establish successful model farm and business. Graduates integrate professionally in the public and private sector.

### 3. PROGRAM COURSES

- Plant biology and physiology;
- Fertilization;
- Soil and Water;
- Introduction to Modern Irrigation;
- Introduction to agricultural structures;
- Plant Protection;
- Flower Production;
- Viticulture and Orchard;

- Aqua-Culture Farming;
- Animal Husbandry;
- Innovation agriculture;
- The challenges of Food security from the ocean origin;
- Food safety and security;
- Agriculture Business Management;
- Financial Analysis;
- Marketing;
- Agriculture entrepreneurship;
- Business Plan;
- Research project Methodology;
- Computer Application;
- Life Skills Workshop;
- Research Project; and
- Field Project.

### 4. WHO IS ELIGIBLE TO APPLY

- Kenya Water Institute graduates. The applicants must fill a consent form to return to Kenya upon completion of the program and surrender the original certificate to the Institute. The certificate will be returned back to the successful applicant at the end of the program and upon return to Kenya.
- The applicant must be 28 years of age and below at the time of application

### 5. TERMS AND CONDITIONS

- The program's duration is maximum 11 months, during the agricultural season in the Arava, from August 2023 to June 2024;
- Embassy of Israel in Kenya will issue visa once selected for the program;
- Students MUST have a new ePassport;
- Students MUST possess a laptop;
- Students MUST be in good health condition and ability to withstand the harsh hot/desert weather in Israel;
- Students MUST show proof of purchase of air return tickets (approx. Kshs. 120,000)
- All the students MUST leave Israel at the end of the program.

### 6. HOW TO APPLY

Applications should be sent to: The Director Kenya Water Institute dropped at either main campus or at satellite campuses by 10<sup>th</sup> May 2023

### Long - Term Programmes

Diploma in Water Engineering Technology (DWET) Diploma in Wastewater  
 Diploma in Water, Sanitation Engineering Technology (DWSET)  
 Diploma in Water Resources Management Technology (DWRMT)  
 Diploma in Irrigation and Drainage Engineering Technology (DIDET)  
 Diploma in Information Communication Technology (DICT)-KNEC  
 Diploma in Water Laboratory Technology (DWLT)  
 Certificate in Wastewater and Sanitation Engineering Technology (CWSET)  
 Certificate in Water Resources Management Technology (CWRMT)  
 Certificate in Information Communication Technology (CICT)- KNEC  
 Certificate in Water Laboratory Technology (CWLTL)  
 Certificate in Water Engineering Technology (CWET)  
 Drilling Operations and Management (DOM)  
 Plumbing and Pipe Fitting (PPF)  
 Water Operators Course (WOC) in:
 

- Water Supply
- Meter Reading
- Sewerage Operations

### Short - Term Programmes

Use of Earth Observation Tools and GIS for Water Resources Management  
 Entrepreneurship and Financial Management for Water Managers  
 Operation and Maintenance of Water Supply Networks  
 Metering and Installation of Water Supply Networks  
 Leak Detection & Repair techniques  
 Drilling Operations and Management (DOM)  
 Operation & Maintenance of Pumping Stations  
 Pump Selection, Installation and Maintenance  
 Plumbing, Pipe Fitting and Solar Water Heating  
 Instrumentation for Water and Wastewater Systems  
 Water Governance, Management and Technology  
 Application of GIS for Water Utilities Mapping  
 Drilling Operations and Management  
 Water Quality Sampling and Testing  
 Microbiological Water Quality Assessment  
 Integrated Water Resources Management  
 Non-Revenue water  
 Water Management  
 Customer Care

## Vision

A Technical Centre of Excellence in Training, Research, Innovation and Consultancy in the water, Sanitation and Irrigation Sector.

## Mission

To offer Competency-Based Training, Research, Innovation, Consultancy and Outreach Services in the Water, Sanitation and Irrigation Sector for sustainable development.

## Core Values

Good Corporate Governance  
Professionalism  
Customer Focus  
Innovativeness  
Inclusivity  
Patriotism  
Integrity

## GET IN TOUCH WITH US

**The Director,**  
**Kenya Water Institute,**  
P.O. Box 60013-00200 Nairobi  
TEL: +254 722-207757  
Email: [info@kewi.or.ke](mailto:info@kewi.or.ke)  
Website: [www.kewi.or.ke](http://www.kewi.or.ke)

### For enquiries about our TVET programmes

Contact the Registrar, Admissions Office.

Phone: 0735339206

Email: [admissions@kewi.or.ke](mailto:admissions@kewi.or.ke)

#### KEWI Nairobi Campus

P.O. BOX 60013 – 00200

Tel: 0722207757

Email: [info@kewi.or.ke](mailto:info@kewi.or.ke)

#### KEWI Chiakariga Campus

P.O. BOX 12 – 60215

Tel: 0729009104

Email: [chiakariga@kewi.or.ke](mailto:chiakariga@kewi.or.ke)

#### KEWI Kitui Campus

P.O. BOX 1514 – 90200

Tel: 0707566395

Email: [kitui@kewi.or.ke](mailto:kitui@kewi.or.ke)

#### KEWI Kisumu Campus

P.O. BOX 7825 – 40100

Tel: 0722207757

Email: [kisumu@kewi.or.ke](mailto:kisumu@kewi.or.ke)

## OTHER SERVICES OFFERED

Water Quality Laboratory Services

Drilling and Test Pumping Services

Ground water Assessment Services

Conferencing Services

Troubleshooting of pumps boreholes and distribution systems

Repair of pumps boreholes and distribution systems

Your feedback is crucial for our improvement



[communications@kewi.or.ke](mailto:communications@kewi.or.ke)



[@kewi\\_kenya](https://twitter.com/@kewi_kenya)



Kenya Water Institute



[www.kewi.or.ke](http://www.kewi.or.ke)



CALL FOR APPLICATION



MINISTRY OF WATER, SANITATION & IRRIGATION  
KENYA WATER INSTITUTE



**MAY 2023 INTAKE**

## Certificate in Irrigation and Drainage Engineering Technology

### REQUIREMENTS

KCSE Mean Grade D (Plain) **OR**  
Artisan Course qualification from KEWI or any equivalent National Qualification **OR**  
as determined by the Academic Board

### TUITION FEE PER SEMESTER

Ksh. 21,800

### DURATION

2 Years

### CAMPUS

Chiakariga and Kisumu

### APPLY NOW

Pick the application form from our Nairobi, Chiakariga, Kitui or Kisumu Campuses  
**OR**

Apply via the application form from our website  
[www.kewi.or.ke](http://www.kewi.or.ke)

All application letters to be addressed to  
The Director, Kenya Water Institute,  
P. O. Box 60013-00200 NAIROBI not later than 14th April 2023.

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