

**THE UNITED REPUBLIC OF TANZANIA**  
**MINISTRY OF WATER**



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Call for Abstracts

2022 *Maji* Week Scientific Conference

***Theme:***

***Water Resources Management for Sustainable Water Supply  
and Sanitation Services***

Convened by Ministry of Water in Collaboration with

**Water Institute**



04<sup>th</sup> – 05<sup>th</sup> April, 2022

***Julius Nyerere International Convention Centre (JNICC),***  
Shabaan Robert Street, Dar es Salaam

**[www.aicc.co.tz](http://www.aicc.co.tz)**

## IMPORTANT DATES

Start of submission of paper abstracts	17 <sup>th</sup> January, 2022
End of submission of paper abstracts	13 <sup>th</sup> March, 2022
Notification of acceptance of paper abstracts	25 <sup>th</sup> March, 2022
Start of <i>Maji</i> Week conference registration	17 <sup>th</sup> January, 2022
End of <i>Maji</i> Week conference registration	21 <sup>st</sup> March, 2022
<b>2022 <i>Maji</i> Week Scientific Conference</b>	<b>04<sup>th</sup> – 5<sup>th</sup> April, 2022</b>

### 1.0 BACKGROUND

An international day to celebrate freshwater was recommended at the 1992 United Nations Conference on Environment and Development (UNCED) in Rio de Janeiro, Brazil. The United Nations General Assembly responded by designating 22<sup>nd</sup> March 1993 as the first World Water Day. Since then, World Water Day has been held annually on 22<sup>nd</sup> March as a means of focusing attention on the importance of freshwater and advocating for the sustainable management of freshwater resources. On this day, member states are called upon to devote this day, as appropriate in the national context, to tangible promotional and public awareness activities including, but not limited to, production of documentaries, organization of conferences, seminars, and expositions related to conservation and development of water resources. In Tanzania, the Ministry of Water in association with existing Water Stakeholders have been celebrating the World Water Day by organizing a week-long series of events in various regions under different themes every year. These events have since been famously known as *Maji* Week Celebrations in Tanzania. Starting in 2019, the *Maji* Week celebrations uniquely incorporated a 'scientific conference' for the first time; it is acknowledged that previous *Maji* Week celebrations did not incorporate a 'scientific conference' as part of the events. The Scientific Conferences for the years 2020 and 2021 were not held due to the outbreak of COVID-19 pandemic.

As was in three years back, the 2022 *Maji* Week will incorporate a 'scientific conference' as part of *Maji* Week Celebrations.

### 2.0 VENUE

The venue will be at the ***Julius Nyerere International Convention Centre (JNICC), Dar es Salaam*** ([www.aicc.co.tz](http://www.aicc.co.tz)). It is expected that around 500 participants will convene to observe the *Maji* Week Scientific Conference.

### 3.0 REGISTRATION

Registration for conference participation is already open for all. Interested participants are required to register for the conference. Participants for the 2022 *Maji* Week Scientific Conference **MUST** register through the online link indicated below by **21<sup>st</sup> March 2022**.

<https://forms.gle/ZxeDjZJF3FPLXSXf8>

All participants are advised to register online and early enough before the closing date in order to avoid any inconveniences.

### 4.0 THE MAJI WEEK SCIENTIFIC CONFERENCE

This brief call/concept note focuses on the processes leading to the *Maji* Week Scientific Conference, to be held on **04<sup>th</sup> – 05<sup>th</sup> April, 2022** at the Julius Nyerere International Convention Center (JNICC), Dar es Salaam.

## **5.0 THEME**

A theme for 2022 *Maji* Week 'scientific conference' is: **Water Resources Management for Sustainable Water Supply and Sanitation Services (*Usimamizi wa Rasilimaji za Maji kwa Huduma Endelevu za Ugavi wa Maji na Usafi wa Mazingira*)**. Water is an important element in the well-being of human life, and vital for the healthy functioning of socio-ecological systems and, limitation of which for sanitation purposes has been globally experienced to lead to increased mortality rate. Proper sanitation can address endemic and pandemic challenges the likes of cholera and COVID 19, respectively.

Poor management of water resources has negative impact on rural and urban development. As well climate change and variability such as temperature and rainfall changes are quite significant, with impacts on ecosystems, biodiversity and people. The sustainability of water resources in Tanzania is threatened by human-induced activities, and moreover population and economic activities growth demand more water.

In this regard, paper presenters are urged to align their write ups in the context of the sub-themes as highlighted in 5.1. We welcome presentations and contributions from researchers and practitioners detailing their innovative original work(s) undertaken in Tanzania, and other countries as well.

## **5.1 Sub-themes**

### **a) Water Resources Management**

- i) Water resources exploration, conservation and sustainability (groundwater, surface water, rainwater, sea water)
- ii) Water resources and Climate Change/variability
- iii) Water resources governance (incl. transboundary water resources)
- iv) Economics and investments for water resources management
- v) Water resources mapping and modeling
- vi) Water quality management (e.g., studies addressing the increased rate of fluoride and arsenic)

### **b) Water Supply and Sanitation Services**

- i) Governance for water supply and sanitation (including self-water supply initiatives, urban water management models, community management models)
- ii) Water, energy and food nexus
- iii) Water safety and security (also including safely managed water supply and sanitation services)
- iv) Eco-sanitation and Low impact designs
- v) Non-Revenue water

### **c) Water Management Technologies and Techniques**

- i) Innovative technologies and techniques for water sector empowerment

- ii) Leakage and apparent losses assessment, reduction and control techniques
- iii) Nature based solutions and indigenous techniques
- iv) GIS and Remote Sensing
- v) Resource modeling (such as hydraulic modeling)
- vi) Intellectual properties, patents and right
- vii) Development of parametric and non-parametric utility regulation tools in the water sector
- viii) Efficiency- and management-specific features assessment in the water industry
- ix) Improved financial management in the water sector
- x) Data envelopment analysis and stochastic frontiers analysis in the water sector

## **6.0 SUBMISSION OF ABSTRACTS**

One may submit a research-based, policy-based or practitioner-oriented abstract as well as that focus on integrating policy, research and practice under any of the sub-themes described above. An extensive review of one of the sub-theme above is also accepted. One should also indicate the sub-theme recommended for the abstract.

Abstracts should have the following attributes:

- i) A maximum of 250 words
- ii) The format for all text should be font size 12, Times New Roman and double-spaced
- iii) The title should not be more than 20 words in title case
- iv) Author's names should be written in such a way that the first name then middle initials (optional) followed by the surname.
- v) If the submission consists of more than one authors, the abstract should indicate one corresponding author with an asterisk (\*) and his/her email address.
- vi) The affiliations of authors should be shown through letter superscripts (such as 1, 2, 3...).
- vii) Authors should clearly indicate the sub-theme under which their abstract/paper should be considered
- viii) The abstract should include a clear statement of the issues addressed, the research methodology and a concise summary of the findings and conclusion.
- ix) A minimum/maximum of three/six keywords respectively should be included in alphabetical order at the end of the abstract.

### **6.1 Abstract file naming**

A file with abstract should be named in such a way that it reflects the sub theme it relates to and names of the author as elaborated in the examples below:

FirstName.Surname\_sub-theme in abbreviation

E.g., 1: Nyangi.Magori\_WRM

E.g., 2: Nyangi.Magori\_WSSS

E.g., 3: Nyangi.Magori\_WMTT

**Whereas:** WRM stands for sub theme Water Resources Management; WSSS stands for sub theme Water Supply and Sanitation Services; and WMTT stands for sub theme Water Management Technologies and Techniques.

## **6.2 Selection process and criteria**

All abstracts should directly link to one of the conference sub-theme. We suggest that authors should submit well written abstract (keep simple sentences, active and passive voice where necessary and spell out any abbreviations or acronyms). Abstract review criteria include clarity, originality, supporting evidence, scientific rigour, relevance, potential significance, innovation or usefulness in the water sector and allied fields.

## **7.0 SUBMISSION AND REVIEW PROCESS FOR ABSTRACTS**

All abstracts should be addressed to 2022 Maji Week Scientific Committee and submitted through [majiweek.2022conference@waterinstitute.ac.tz](mailto:majiweek.2022conference@waterinstitute.ac.tz) CC [majiweek.2022conference@gmail.com](mailto:majiweek.2022conference@gmail.com) by **13<sup>th</sup> March 2022**. The abstracts will be reviewed by experts and the corresponding author will be notified of the outcome of the review process not later than **25<sup>th</sup> March 2022**. All abstracts will be reviewed by at least three (3) members of the *Maji Week* 'scientific conference' review panel who will make final decision on whether the submission/abstract will be accepted or not. If an abstract will be accepted; the authors will be requested to prepare an oral or poster presentation.

## **8.0 CONDITIONS OF ACCEPTANCE**

Upon acceptance, authors agree to publish an abstract in conference materials such as a book of abstracts. Authors also agree publication of photos, video recordings or live streaming of the presentations.

## **9.0 MAJI WEEK CONFERENCE YOUNG RESEARCHER AWARD**

An honorary *Maji Week* Conference Young Researcher Award will be given to the best youth presenter (under the 35 years) who will demonstrate exceptional oral presentation skills, insight of subject matter, articulation in response to questions etc. There will be a winner in each sub-theme thus, making a total of three sub-winners from which the overall *Maji Week* Young Researcher Award Winner will be nominated based on a scoring criterion that will be developed by the Scientific Committee. An adjudication team will be availed in all sessions to assess all youth presenters. There will also be an award for the Best Poster from the Young Researcher as well of which will be determined through adjudication process.

## **10.0 PUBLICATION OF CONFERENCE PAPERS**

Authors observed to have the best contribution in a research industry will be offered to publish his/her manuscript in the special issue of the Journal of Water Resources, Engineering, Management and Policy (JWEMPO), [www.jwempo.ac.tz](http://www.jwempo.ac.tz)

## **11.0 TRAVEL AND ACCOMMODATION**

All participants should make arrangements and manage their travel and accommodation.

## **12.0 CONTACT INFORMATION**

For more information about the conference please contact the following:

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