

2nd International Maji Scientific Conference 8th, 9th, 10th March, 2023

Tentative Programme



Event Managers: Eng. N. Mpenbe, Mr. I. Wikedzi, Ms. G. Chanzi

Day 1: Wednesday 8th March, 2023

08:00 – 09:00

Registration of Participants & Welcoming Tea
Venue: Ubungo Plaza Conference Centre

09:00 – 09:20

Arrival of Guest of honor and Tour of Exhibition booths

09:20 – 10:45

Official Opening
Venue : Kilimanjaro Hall

Singing of the Tanzanian National Anthem (5 min)

Singing of the East African Anthem (5 min)

Overview of International Maji Scientific Conference: **Dr. Tulinave Mwamila – DR-ARC, WI** (10 min)

Short Presentation from Sponsors (20 min)

Welcoming Speech & WI Documentary: **Dr. Adam Karia – Rector WI** (20 min)

Official Opening of the Maji Scientific Conference: **Hon. Jumaa Aweso (MP)-Minister for Water (Guest of Honor)** (20 min)

Vote of thanks/ Rewards to Guest of Honor: WI Alumni (5 min)

10:45 – 11:00

Group photo

11:00 – 12:30 PLENARY SESSION Moderator: Ms. Rehema Tukai (Water For People)	
Key Note Address: Eng. Mbogo Futakamba- Chairperson National Water Board Theme: Water Above, On, and Below the Ground: The concerns of it All	
Panel Session Moderator: Ms. Rehema Tukai (Water for People) Panelist 1: Prof. Nancy Marobhe (ARU) Panelist 2: Dr. Victor Kongo (GWP-TZ) Panelist 3: Mr Lukas Kwezi (Tetrattech TZ) Panelist 4: Eng. Herbert Kashililah (Shahidi wa Maji)	
12:30– 13:30 Lunch break	
13:30– 16:30 Side Events	
Venue: Kilimanjaro Hall	Venue: Tanzanite
Workshop 1: Rainwater harvesting management and technology for sustainable development <i>Organized by: IWA RWHM specialist group</i>	Workshop 2: Experiences in management of fluoride challenges in African context <i>Organized by: WI Research campus (Ngurdoto) and OIKOS TZ</i>
Workshop 3: Accelerating change in services delivery through learning hubs <i>Organized by: Eco valley, WI and NM-AIST</i>	Workshop 4: Integrated leakage management system empowering WSSAs in NRW control <i>Organized by: WI R&D team</i>
16:30 – 17:00 Tour of Exhibition booths & Posters, & Evening Tea	
17:00 End	

Day 2: Thursday 9th March, 2023

08:00 – 09:00

**Registration of Participants & Welcoming Tea
Venue: Ubungo Plaza Conference Centre**

09:00– 12:40

SUB-THEME PAPER PRESENTATIONS AND DISCUSSIONS

Sessions Chair: Dr. Nyangi M.

<p>Theme: Water Resources Management and Governance for Sustainable and Equitable Development (WRMG) Venue: Kilimanjaro Moderators: Dr. Munishi S. & Dr. Dickson G. Rapporteurs : Sanka P./Rogath S.</p>	<p>Theme: Unleashing Concerns Around Harnessed Groundwater Quality and Quantity (GWQQ) Venue: Tanzanite Moderators: Dr. Kimwaga R. & Dr. Lusajo M. Rapporteurs : Eliamringi L./Gobry, J.</p>	<p>Theme: Emerging Solutions to Groundwater Exploration and Protection (GWEP) Venue: Classic A Moderators: Dr. Mwakalesi A. & Dr. Mutayoba E. Rapporteurs : Marwa L./Mwakasangula T.</p>
--	--	--

Authors	Title	Authors	Title	Authors	Title
Godwin L et al.	Integration of Remote Sensing and Isotope Approaches in Water Balance Estimation of Ungauged Lakes	Doglas B. & Tulinave M	Suitability of treated FS using <i>Jatropha curcas</i> on unplanted sand drying beds for agricultural use in Dar es Salaam, Tanzania	Mary K. et al	Assessment of Vegetables Performance and Nutritive Values Through Application of Treated Domestic Wastewater by High Rate Algal Pond
Margaret K et al.	Integration of gender considerations into Tanzania's climate and water policies	Magdaline B. & Makarius L.	The influence of anthropogenic activities on wetland integrity Along Mara River Wetlands, Tanzania	Chang Ki Lee,	Critical public health problems because of fluoride in water and propose the solution by CDI technology through maintenance concep
Alinanuswe M & Ian D.P	Removal of Picloram and Related Herbicides from an Aqueous Environment using Polymer Inclusion Membranes	Saul M.	Use of ICT tools for improved enforcement and monitoring on fecal sludge management in Shinyanga municipality	Benson L. et al.	Determination of Green and Blue Water Foot Print of Major Crops for Efficient Use of Water and Environmental Conservation: A Case of Wami/Ruvu Basin - Tanzania
Baraka M et al.	Analysis of silting trends of Lwanyo Dam	Doglas B & Richard K.	Model for prediction of the optimal dose of <i>Jatropha Curcas</i> in FS dewatering	Godfrey M et al.	Tanzania's Experience in the Nalgonda Water Defluoridation Technology
Christosy L et al.	Investigating the Effect of Climate Change and Human Activities on Water Availability in Wami River Sub-basin, Tanzania	Matungwa W. & Zacharia K.	Temporal Variation in Water Quality of Shallow Wells in Half-London Ward-Tunduma Town	Jonas B et al.	Non-Competitive and Competitive Detoxification of As(III) Ions from Single and Binary Biosorption Systems and Biosorbent Regeneration

Kaitaba R. et al.	Analyzing Options for Improving Non-Revenue Water Management System to Enhance Water Supply Services in Dodoma City, Tanzania	Mesia L.	Status to centralized disinfection of piped groundwater public supplies	Magige J.	Prioritization of iringa district rural water supply project preparations, application of micro integration decision model (mid)- innovation
Christosy L et al.	Long-term changes in climatic, and hydrological variables and their impacts on future river discharge in Wami river sub-basin, Tanzania.	Stuart S & Naftal M.	Methods in Well Rehabilitation and Maintenance for Groundwater Well Fields: A Review of the State of the Art	Dorothea D. et al	Piloting the Remote Sensing-based Water Accounting Plus Framework in Tanzania: A case study of Wami-Ruvu Basin, Tanzania
Opportuna K. & Jesper K.	Which way to best studying accountability in water sector in Tanzania?	Saul M & Herieth M	Integration of safe sanitation behaviors along the sanitation service chain for safely managed sanitation	Morris H.	A Column Design with Low-Cost Adsorbent for Hard Water Treatment: A Case Study of Dodoma City
Frank J.W	Implications of temporal hybridization of rainfall data on streamflow in the African Great Lakes region	Josephine G et al.	Occurrence of Harmful Algal Blooms in Freshwater Bodies and their Molecular Identification: A Case of Mindu and Nyumba ya Mungu Dams in Tanzania.	Parestico P.	Decentralization and accountability in community water governance in Tanzania
Kaitaba R Makarius L Stelyus Mkoma	Analyzing Options for Improving Non-Revenue Water Management System to Enhance Water Supply Services in Dodoma City, Tanzania	Riccardo Z & Avantika Singh	COVID-19 and the Water Sector	Benjamin D et al.	Removal Kinetics of Escherichia Coli from Faecal Sludge Treated with Moringa Oleifera on Unplanted Sand Drying Beds.
Miraji H. & Ripanda A	Smart Data Management of Non-Revenue Water: A Black Side for Sustainable Development Goals 3 & 6	Renatus J et al.	Tracing the dominant sources of sediment flowing toward Lake Victoria using geochemical tracers and a Bayesian Mixing Model	Magori N et al.	Banana Peel a Natural Biosorbent for the Reduction of Turbidity and Chemical Oxygen Demand from Municipal Wastewater

12:40 – 13:00
Tour of Exhibition booths & Posters

13:00 – 14:00
Lunch break

14:00– 15:40

SUB-THEME PAPER PRESENTATIONS AND DISCUSSIONS

<p>Theme: Water Resources Management and Governance for Sustainable and Equitable Development (WRMG) Venue: Kilimanjaro Moderators: Dr. Munishi S. & Dr. Dickson G. Rapporteurs : Sanka P./Rogath S.</p>		<p>Theme: Unleashing Concerns Around Harnessed Groundwater Quality and Quantity (GWQQ) Venue: Tanzanite Moderators: Dr. Kimwaga R. & Dr Makungu E. Rapporteurs : Eliamringi L./Gobry, J.</p>		<p>Theme: Emerging Solutions to Groundwater Exploration and Protection (GWEP) Venue: Classic A Moderators: Dr. Mwakalesi A. & Dr. Mmassy D. Rapporteurs : Marwa L./Mwakasangula T.</p>	
Opportuna K. & Neil M.	Towards Urban water community-based organization: experiences from reporting of water problems in Dar es Salaam	Method G.	Topo-Bathymetric Study for Storage Capacity Estimation of Mindu Dam Reservoir in Morogoro Municipality, Tanzania	Leyla K.	Being smart about sanitation: the case of ibinzamata public toilet biogas system in Shinyanga, Tanzania
Preksedis N et al.	Climate change vulnerability mapping in the Wami/Ruvu basin: A review	Pendo H.	Challenges of water allocation and secure water tenure among pastoralist and smallholder farmers in Kilombero and Kilosa	Pitio N.	Gender Power Inequality and Community-Based Water Supply Management: Causes, consequences, Challenges and Remedy
Raphael L, et al.	Intra—annual hydrological calculation and water management for River Ruvu, monthly production capacity, monthly deficit and monthly excess for redistribution	Omary R. et al.	Use of Macroinvertebrates to assess the impacts of Anthropogenic activities on the Pinyinyi River, Arusha, Tanzania	Pilly K. & Lymond T	Socio-economic Factors Affecting Management of Catchment Forest Areas in Tanzania
Salma I. et al.	Linking Freshwater Reduction Along Rufiji River and Mangrove Dynamics in Rufiji Delta, Tanzania	Ghanima C.	Current status and future prediction of land use land cover changes, and it is the magnitude at kilombero river basin	Godfrey M. et al.	Bonechar Water Defluoridation Technology, Achievements, Challenges, and Experience in Tanzania
Aaron S	Partly Financed Water Projects: Addressing Sustainability Problems for Majority of the Rural Water	Leah M et al.	Addressing Pumps Functionality as a Limitation to Performance of Rural Water Supply Schemes in Tanzania”	Mihayo N. et al.	Application of octacalcium Phosphate with an Innovative Household-scale Defluoridator Prototype and Adoption in Rural Communities of the East Africa Rift Valley

	Projects in Tanzania – The Case of Korogwe				
15:40– 16:00					
Tour of Exhibition booths & Posters and Tea break					
16:00					
End of day 2					
Day 3: Friday 10th March, 2023					
08:00 – 09:00					
Registration of Participants & Welcoming Tea					
Venue: Ubungo Plaza Conference Centre					
09:00– 12:20					
SUB-THEME PAPER PRESENTATIONS AND DISCUSSIONS					
Theme: Water Resources Management and Governance for Sustainable and Equitable Development (WRMG) Venue: Kilimanjaro Moderators: Dr. Massawe F. & Dr. Senkondo W. Rapporteurs : Paul Sanka/Sophia Rogath		Theme: Unleashing Concerns Around Harnessed Groundwater Quality and Quantity (GWQQ) Venue: Tanzanite Moderators: Dr. Kimwaga R. & Dr. Makungu E Rapporteurs : Eliamringi L./Gobry, J.		Theme: Emerging Solutions to Groundwater Exploration and Protection (GWEP) Venue: Classic A Moderators: Munishi S. & Rapporteurs : Marwa L./Mwakasungula T.	
Alinanuswe M & Ian P	Exploiting ion-dipole and ion-exchange interactions for the decontamination of aqueous solutions from aminopyridines				
Aaron S.	Developing Matrix Model (MM) as a Tool for Deciding Procurement Method(s) for Acquisition of Service Providers in the Water Sector				
Theophile R.	The impact of prepaid water meters on clients and utility's outcomes: the case of iringa municipality				
Alinanuswe M & Ian P.	Removal of Picloram and Related Herbicides from an Aqueous Environment using Polymer Inclusion Membranes				

Mutazamba, J.	Water resource management through infrastructure scoping for water supply projects in Rukwa and Njombe regions in Tanzania				
Leopard G.	Contribution of private boreholes in minimizing domestic water shortage in Dodoma district, Tanzania				
Alinanuswe M & Ian D. Potter	Targeting of Cationic Organic Pesticide Residues using Polymer Inclusion Membranes containing Anacardic Acid from Cashew Nut Shell Liquid as a Green Carrier				
Sanga K.	Analysis of land use/land cover changes in surface water dynamics, a case study of Singida urban a part of Tanzania				
12:20– 13:20 Lunch break					
13:20– 15:40 Virtual Presentations Venue: Kilimanjaro Moderators: Massawe F. & Makungu E.					
1.	Karlye W et al.	Investigating field effectiveness and feasibility of carbon neutral water treatment through the solar-powered ultraviolet light-emitting diode (UV-LED) disinfection			
2.	Paul C.	Estimation of Groundwater Recharge in Makutupora basin Located in a Semi-Arid Regio in Central Tanzania using Soil Moisture Balance (SMB) and Chloride Mass Balance (CMB) Techniques			
3.	Tim F. et al.	Climate Sensitive and Resource Efficient Wastewater Treatment: Small-Scale Decentralized in Dar es Salaam, Tanzania and Large-Scale Centralized in Hamburg, Germany			

4.	Fanuel L. et al.	Groundwater chemistry in the gold mining areas of the Lake Victoria basin, northwest Tanzania: In-situ, ex-situ assessment, and geochemical modeling.
5	Maureen M.	Assessment of the impact of land use on river water quality in selected rivers in Mzimba District Malawi
6	Michael C.	Co-creating a sustainable water technology platform to tackle urban water issues in Dar es salaam

POSTERS

Sahani N.	Occurrence of fluoride to six most fluorotic regions in Tanzania
Leyla K.	Being smart about sanitation: the case of ibinzFamata public toilet biogas system in Shinyanga, Tanzania
Magori N.	Groundwater Physicochemical Properties of Ubungo, Dar es Salaam and the Potential of Cassava Peel Biosorbent for Reducing Chloride and Total Hardness from Groundwater
August F.	Innovative filtration galleries for draining groundwater from hills
Lusajo M.	The impact of land use/cover change on surface runoff at the Kibungo sub-catchment of Upper Ruvu catchment in Tanzania
Ally M.	Geotechnical investigation consultancy services offered by Water Institute
Godfrey M	Effects of fluoride to human health and potential water Defluoridation technologies

15:40– 16:00

Arrival of Guest of Honor and Tour in Exhibition booths

16:00– 17:00

Closing Session

Young Researchers Awarding Ceremony (15 min)

Evaluation/Feedback from participants (15 min)

Vote of Thanks: Water Institute Alumni (15 min)

Closing Remarks: MoW Management (15 min)

17:00 – 18:00

Evening Tea

18:00 – 22:00

Cocktail/Live band