



SWIEM



جامعة الزرقاء
Al-Zaytoonah University of Jordan



筑波大学
University of Trakuba



Agenda

International Conference on "INTERNATIONAL CONFERENCE ON ARID LANDS"

DESERT TECHNOLOGY XV

3-6 June 2023

Dead Sea, Jordan

Arrival Day: Saturday 3/6/2023

10:30	Airport Pick up to Moevenpick dead sea, at 12:30 am, look for SIGN DT15 (EK2058 arrives Amman at 9:10; QR6100 arrives Amman at 9:30)
18:00 - 21:00	Arrival of participants to the hotel in the Dead Sea and check in at Moevenpick Hotel

First Day: Sunday 4/6/2023

8:00 – 10:00	Registration
	Conference Opening and Ceremony:
10:00 – 11:00	Prof. Majed Abu-Zreig, Conference Chair
	Dr. Jihad Almahameed, Secretary General, MWI
	Prof. Abdallah Malkawi, Presedent Prince Fahad Bin Sultan University
	HE Dr Hazem Elnasser, Conference Patronne and Key note speaker
11:00 – 11:40	Coffee break

11:40 – 13:00	Session 1: Chairs: Prof. Khaled Shawakfeh, JUST	Presenter	Country
11:40 – 12:00	Operational practices of water harvesting systems around the world	Koichi Unami	Japan
12:00 – 12:20	Effect of seasonal change and strain difference on 1,4-dioxane phytoremediation by fast-growing willows	Yuichi Ishikawa	Japan
12:20 – 12:40	Evaluation of salt leaching in salt-affected soil amelioration with coal bio-briquette ash in China	Yuji SAKAI	Japan
12:40 – 13:00	Investigation on water delivery performance and its quantification in large-scale Beni Amir irrigation scheme, Morocco	Muhammad Dayyabu	Japan
13:00 – 14:00	Lunch (all attendees of the opening Session)		

	Session 2 Chairs: Dr. Unami, Kyoto University	Presenter	Country
14:10 – 14:30	Determination of Irrigation Depth for Potato considering Weather Forecast and Cost for Water under a Saline Condition	Haruyuki Fujimaki	Japan
14:30 – 14:50	Salinity Removal of Reclaimed Wastewater Using Natural And Modified/Nano Zeolite Particles	Ziad Al Ghazzawi	Jordan
14:50 – 15:10	Date Palm Value Chain Analysis, Development, and Competitive Advantage of Qatari Date Palm Sector in the International Market: Market Shares, Revealed Comparative Advantages, and Trade Balance Indexes	Muhi El Dine Hilali	Tunisia
15:10 – 15:30	Does synchronization of biennial bearing in olive production exist?: Evidence from the Mediterranean countries	Hajime KAMIYAMA	Japan
15:30 – 15:50	Increased uranium pollution in groundwater and the Amu Darya River over 15 years in Karakalpakstan, Uzbekistan	Yoshiko KAWABATA	Japan
16:00 – 16:30	Coffee Break		

16:30 – 17:10	Session 3 Chairs: Yoshiko KAWABATA	Presenter	Country
16:30 – 16:50	Pressure of Agricultural Practices in Irrigated Farming on Soil Properties and Groundwater Quality in the Northern Badia of Jordan	Fatima, A Bani Khaled	Jordan
16:50 - 17:10	JUST- Nitrate pollution of groundwater	Eman Bani-Khled, Ahmad Al-Ajlouni, Mutawakil Obeidat	Jordan
17:30-18:30	Meeting for the IDC member (invited)	Room will be determined	

Second Day: Monday 5/6/2023

KEYNOTE			
9:30 – 10:30	Keynote speech: Nangia, Vinay: Climate actions in agriculture: A prerequisite for food security		
10:30 – 11:00	Coffee break		
11:00 - 13:00	Session 4 Chairs: Dr Mutawakil Obeidat, JUST	Presenter	Country
11:00 – 11:20	The impact of the soil erodibility model on soil water erosion quantification under South African soil types	Mohamed Abd Elbasit Mohamed Ahmed	South Africa/Sudan
11:20 – 11:40	Physiochemical Characteristics of Developed Modified Sand by Incorporating Natural Dune Sand” Mohammad Nadeem Akhtar, Khaldoon Bani Hani, Jamal K. Najem, Dima A. Malkawi	Jamal Najim	Saudi Arabia
11:40 – 12:00	Potential Use of Reclaimed Wastewater Resources for Mega Scale Projects in Jordan	Wa’il Y. Abu-El-Sha’r	Jordan
12:00 – 12:20	Sludge drying reed beds and potential benefits of land application in arid areas	Maha Halalsheh	Jordan
12:20 – 12:40	Sand Movement Analysis of the Tottori Sand Dunes Using Aerial Photogrammetry by UAVs	Tadaomi Saito	Japan
12:40 – 13:00	Performance of UASB -vertical flow constructed wetlands for treatment of grey water generated in arid and semi-arid regions	Ghada Kassab	Jordan
13:00 – 14:00	Lunch (full registered participants/accompanying person)		

14:10 – 16:30	Session 5 Chairs: Dr Laith Al Rousan, JUST	Presenter	Country
14:10- 14:30	Optimization of the Capacity of Water Harvesting using Plastic Sheet and Tank in a Sandy Field.	Jean Bosco NANA	Japan
14:30– 14:50	Consumer Preferences for Functionality of Vegetable Oils in Japan: A Case Study of Edible Argan Oil	Yuki Maruyama	Japan
15:10 – 15:30	Comparative analysis of attitudes within dry-climate countries towards disaster risk reduction and relationships with efforts to combat desertification	Yuta Hara	Japan
15:30 – 15:50	TiO2 nanoparticles in irrigation water alter critical flavonoid in crops, a food safety measure	Hamidreza Sharifan	USA
16:00 – 16:30	Coffee break		

16:30 – 18:00	Session 6 Chairs: Mohamed A.M. Abd Elbasit, Sol Plaatje University, South Africa	Presenter	Country
16:30 - 16:50	Solar energy-powered net house	Vinay Nangina <i>on behalf of</i> Arash Nejatian	UAE
16:50 - 17:10	Evaluation of soil water dynamics in subsurface irrigation system OPSIS using lysimeter experiments	Ken OKAMOTO	Japan
17:10 - 17:30	Changes in carbon accumulation and soil properties through mangrove forestation in Southeast Thailand	Yuji SAKAI	Japan
17:30 - 17:50	Basic Study on Local Carbon Circulation by Unused Bioresources - Case Study of Rice Husk and Willow as Biochar in Hydroponics	Tsuyoshi ODAGAKI	Japan

Third Day: Tuesday 6/6/2023 ONLINE SESSIONS

9:30:00 – 11:00	Session 7 The Online session Chairs: Dr Saito Tadaomi/ Dr Hamidreza Sharifan		
11:00 – 11:15	Coffee break		
11:30-12:30	Session 8: Online Session	Presenter	Country
12: – 13:00	Discussion, Recommendations, Evaluation, END of Conference		
13:00 – 14:00	Lunch (full registered participants/accompanying person)		
15:00	First trip to the Airport at 14:00 (EK904 departs from Amman at 18:00 QR401 departs from Amman at 20:30)		
21:00	Second trip to the airport at 21:00 if necessary. EK906 departs from Amman at 26:05		
14:00	TRIP to WADI RUM AND PETRA, on (6/6)The bus will leave at 14:00 pm from the dead sea to Wadi rum, stay in Wadi Rum for one night. Next day (7/6) at 9:00 am the bus will leave to PETRA, at 3:00 PM the bus will leave PETRA to AMM AIRPORT arriving at 20:00. Participants should stay in AMM one night and leave the second day (8/6). THE TOTAL COST OF THE TRIP 300 USD/person (13 persons minimum) INCLUSIVE (including RUM and PETRA entrance fees =100 USD)		

Time in Jordan	Time in in Tokyo, Japan	Time in in New Delhi, India	ONLINE SESSION, Third Day: Tuesday 6/6/2023 (11:00 – 13:00)		
			Online Session. Chairs: Dr Hamidreza Sharifan/ Dr Saito Tadaomi Tottori U.	Presenter	Country
9:30-9:45	15:30-15:45	12:00 – 12:15	Salinity management through Cut-soiler assisted drainage for sustainable mustard production in Indo-Gangetic plain	Neha	India
9:45 – 10:00	15: 45 - 16:00	12:15-12:30	Change in soil moisture and salinity under Border irrigation, Every furrow irrigation and Permanent skip furrow irrigation	Junya ONISHI	Japan
10:00 – 10:15	16:00 - 16:15	12:30 – 12:45	Fluctuations in soil drainage properties in different salinization treatments	Kayo MATSUI	Japan
10:15-10:30	16:15 - 16:30	12:45 - 13:00	Cut-Soiler assisted sub-surface sodicity reclamation for rice-wheat production in Indo-Gangetic plains	Manisha	India
10:30 – 10:45	16:30 - 16:45	13:00 - 13:15	Cut-soiler constructed preferential shallow sub-surface drainage spacing optimization for field scale salinity management	Gajender Yadav	India
10:45 - 11:00	16:45 - 17:00	13:15 - 13:30	Cut-soiler assisted subsurface placement of amendment and crop residue reclaim subsurface sodicity in semi-arid region of Indo-gangetic plains	Rajender Kumar YADAV	India
11:00 – 11:15	17:00 – 17:15	13:30 – 13:45	COFFEE BREAK		
11:15 - 11:30	17:15 - 17:30	15:00 - 15:15	Water-saving effects of subsurface irrigation system “OPSIS” during irrigation period for sugarcane cultivation: A case study in Ishigaki Island, Japan	Toshihiko ANZAI	Japan
11:30-11:45	17:30 – 17:45	15:15-15:30	Linking population fluidity and olive production in Jordan and Syria	Marie Sato	Japan
11:45 – 12:00	17:45 – 18:00	15:15 – 15:30	Drying Characteristics and Mathematical Modeling of Quince dehydrated in the Domestic Solar Dryer	Seeming Rubab	India
12:00-12:15	18:00 – 18:15	15:30 - 15:45	Trends in the simultaneous expansion of Japanese companies into different African countries	Takahiro MORIO	Japan

