



Conference Chair, Prof. Majed Abu-Zreig

Deserts generally envision places where sand dunes spread. The U. N. Convention to Combat Desertification (UNCCD) in 1994 defined it as degraded arid semiarid and dry sub humid areas resulting from various factors, including climatic variations and human activities, including unsustainable farming, mining, overgrazing, and clear-cutting of land and manmade climate change. 41% of Earth's land area, home to over 2 billion people, falls in the category of deserts. Ninety percent of Jordan area is classified as arid land receiving less than 100 mm of annual rainfall. The issues of deserts and desertification are a global concern, requiring continued and expanding research to mitigate the consequences. As the dynamics of land, climate and biodiversity are intimately connected, the International Desert Council (ICD) facilitates cooperation and dissemination of knowledge among scientists, researchers and policy makers from diverse fields, in combating desertification and land degradation. Desert Technology (DT) Conferences since 1991 is one such unique initiatives of IDC, which facilitates technological breakthroughs and innovations. Building upon previous experiences and accomplishments, Desert Technology conference 15 (DT15) offers an opportunity to participate in discussions and the presentation of research projects (including natural, technological and human sciences) aimed at overcoming constraints of desertification. DT15 will be held to discuss the impact of desertification, possible solution and future challenges in the backdrop of climate change and food security in deserts and arid areas. On behalf of the Desert Technology 15 Organizing Committee, I invite and welcome all of you to Jordan.

## TEMPLATES

Download, fill & email (Dt15amman@gmail.com)

- [Registration Form](#)
- [Extended Abstract Template](#)
- [Poster Template](#)

## Organizing Committee

Prof. Majed Abu-Zreig, Chair  
 Prof. Khaled Shawaqfeh/Jordan  
 Prof. Khaldoun Bani Hani/Saudi Arabia  
 Prof. Amjed Zraiqat/Jordan  
 Prof. Mutawakil Obeidat/Jordan  
 Dr. Laith Al Rousan/Jordan  
 Dr. Rami Alkhatib/Jordan  
 Mr Moath Alenizi/Jordan  
 Miss Fawzia Ammoura/Assistant

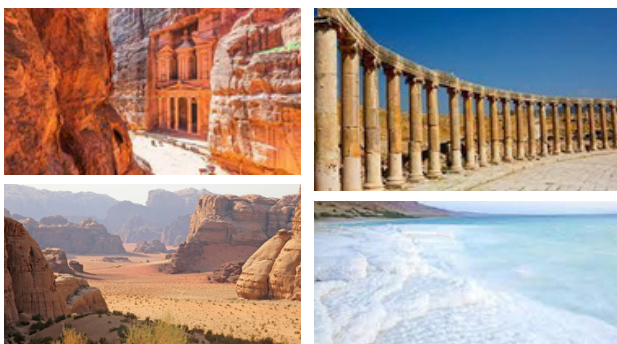
## History of DT /ICAL Conferences

DT-1 : 1991 - Santa Barbara, USA  
 DT-2 : 1993 - Hawaii, USA  
 DT-3 : 1995 - Motosu, Japan  
 DT-4 : 1997 - Kalgoorlie, Australia  
 DT-5 : 1999 - Nevada, USA  
 DT-6 : 2001 - Urumqi, China  
 DT-7 : 2003 - Jodhpur, India  
 DT-8 : 2005 - Nasu, Japan  
 DT-9 : 2008 - Douz, Tunisia  
 DT-10/ICAL-1 : 2011 - Narita, Japan  
 DT-11 : 2013 - Texas, USA  
 ICAL-2: 2014 - Samarkand, Uzbekistan  
 DT-12 : 2015 - Cairo, Egypt  
 DT-13: 2018 - Pondicherry, India  
 DT-14: 2021 - Tokyo, Japan  
 DT-15: 2023 - Amman, Jordan



## Discover Jordan!

Jordan is one of the most attractive places for tourists in the region. The rose city of Petra, the Dead Sea and Wadi Rum are among the most important tourist destinations. Post conference optional tours will be arranged for participants to those places.

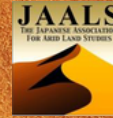


The organizing committee is looking forward to welcoming you in Jordan

3rd circular  
 The DT XV International  
 Conference on Arid Land  
 3-6 June 2023 JORDAN.

# The DT XV

# International Conference on Desert Technology



## Contact Us

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Submission and Conference  
 email: DT15amman@gmail.com

Website: [DT-XV](#)



DT15 conference, Jordan,  
 Dead Sea, 3-6 June 2023

## About the conference

DT "Desert Technology" conferences has been continuously held since 1990 and named "International Conference on Arid Land" since 2011. Next year 2023 the DT XV will be held in Jordan. The conference language is English. All conference submissions are peer reviewed on the full paper. The conference series address:

- The natural characteristics of arid areas and decertified areas (e.g. climate, hydrology, and vegetation),
- The mechanism of the desertification, and prevention methods.
- The human sciences towards overcoming constraints of arid land.

## Abstract Submission

- One page abstract: **Friday, 9 December 2023**
- Acceptance notification: **Friday, 27 January 2023**
- Registration deadline: **Friday, 10 February 2023**
- Manuscript submission (Extended 4 pages Abstract): **Friday, 5 May 2023**
- All materials: send to **DT15amman@gmail.com**
- Abstracts will be published in a Proceedings.
- The papers presented in the conference will be published in The **Journal of Arid Land Studies** after critical peer review process.

## Scientific Committee

- Prof. Majed Abu-Zreig, Chair
- Prof. Dr. Andreas Theil/Germany
- Prof. A. Malkawi/Saudi Arabia
- Prof. Khaldoon Bani Hani/KSA
- Prof. Jose Pinho/Spain
- Prof. Fayez Abdallah/Jordan
- Prof. Wail Abu Shaar/Jordan
- Prof. Tim D. Davis/USA
- Prof. Dr. M. Shatanawi/Jordan
- Prof. Mistsuteru Irie/Japan
- Prof. Hani Abu-Qdais/Jordan
- Prof. Ramesh Rudra/Canada
- Prof. Ralf Otterpohl/Germany
- Prof. Haruyuki Fujimaki/Japan
- Dr. Bashar Al Smadi/Jordan
- Prof. Bassim Abbassi /Canada
- Dr. Khaldoon Shatnawi/Jordan
- Dr. M. Abd Elbasit/South Africa
- Dr. Radwan Al Weshah/Jordan
- Dr Ziad Al Ghazzawi/Jordan
- Prof. Muneer Al Rousan/Jordan
- Dr. Khaldoon Alkudah/Jordan
- Prof. M. Shawaqfeh/Jordan
- Prof. M. Duwayri /Jordan
- Dr. Qasim Abdelal/Jordan
- Dr. Rami Alkhatib/Jordan
- Prof. Mutawakil Obeidat/Jor.
- Prof. Amjed Abo Izreik/Jordan
- Dr. Laith Al Rousan/Jordan
- Prof. Yoshiko KAWABATA/Japan
- Prof. T. MORIO (JAALS chair)
- Prof. Toshinori Kojima/Japan
- Prof. K. E. Foster/USA
- Prof. A. R. Williams/USA
- Prof. J. A.Young /USA
- Prof. M. Harrabi /Tunisia
- Prof. H. Toyoda /Japan
- Prof. K. Toderich /Uzbekistan
- Prof. H. EL-Shemy/Egypt
- Prof. Y. Sakai/Japan

## Conference Topics

- Desertification of Land and Prevention
- Desert Environment
- Transboundary Dryland ecosystems & biodiversity
- Climate change and adaptation.
- Soil-water Management/conservation in Drylands
- Bio- and nano- technology for Sustainable D.
- Arid Land Bio-resources
- Water Desalination and Wastewater Treatment
- Irrigation and Soil-Water Interaction in Arid Areas
- Desert Afforestation and Carbon Sequestration
- Mangroves Ecosystems
- Arid halophyte production,
- Rangelands-livestock systems
- Renewable Energy Application in Desert and Remote Areas
- Information Technology and Remote Sensing
- Agriculture technology and food security.
- Economic benefits of dry lands and biological resources
- Cultural, human, social, biological, heritage conservation and history in arid lands
- Stress biology & desert agriculture
- Achievement of Sustainable Development Goals
- Progress against UN conventions (e.g. Desertification- UNCCD, Biodiversity – CBD and Climate - UNFCCC)
- Rainwater harvesting and soil erosion
- Groundwater management
- Water policy and governance
- Water/Energy/food nexus
- Flash flood prediction and management
- Crop production with saline water
- Organic Waste management
- Food trade and virtual water

## Tentative Program

- 3 June: Transportation to Hotel/ Welcome reception at Hotel
- 4 June: Opening session/ Inauguration/ Academic Sessions
- 5 June : Academic Sessions at Conference hall/ Gala dinner at Hotel
- 6 June: Academic Sessions/ Trip to Al Walla Dam/ end of Conference
- 7-8 June: optional trips to Wadi Rum and Petra or Jerash and Umm Qais
- Detail of the program will be presented in Second Circular.

## Registration Fees

REGISTRATION TYPE^	FULL PACKAGE*	WITHOUT ACCOMMODATION/TRANSPORTATION
International Participants	\$1000	\$700
Accompanying Person**	\$600	\$350
Participant, No publication#	\$800	\$500
Local Participants	JD 500	JD 250
Local, 1-day Registration		JD 150

- *Registration include: Lunch, Dinner, Two coffee breaks, Local transportation, Conference material and Sessions.*
- \* *Include: Airport pickup and drop-off, accommodation, breakfast,*
- \*\* *double room*
- # *Submitted abstracts are NOT eligible for publication in the Journal of Arid Land Studies*
- *Late registration (Friday 20 January 2023): 100 USD charge is added to the above rates*
- *Registration on arrival (cash only): 150 USD charge is added to the above rates*

## Bank details for registration fee Transfer (Japanese Yen)

Bank Name: THE BANK OF TOKYO-MITSUBISHI UFJ, LTD  
 SWIFT Code: BOTKJPJT  
 Branch Name: SHINTOMICHO BRANCH  
 Branch Address:1-18-1, Shintomi, Chuo-ku, Tokyo, Japan  
 Account Number:749-0146874  
 Account name: DT ICAL JAPANESE ASSOCIATION FOR ARID LAND STUDIES. ( NIHONSABAKUGAKKAI)

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## International Desert Council (IDC) Members

- Takahiro MORIO (JAALS chair)
- Toshinori Kojima (Chairperson, IAC and Treasurer),
- Majed Abu-Zreig (JUST, Jordan)
- K. E. Foster (University of Arizona)
- I. Endo (Riken)
- T. Kojima (Seikei University)
- A. R. Williams (Curtin University)
- J. A.Young (USDA)
- Sanjay Kumar (B.R.A. Bihar Univ.)
- prof. Sangeeta Sinha (B.R.A. Bihar Univ.)
- Y. Abe (University of Tsukuba)
- M. Harrabi (Nat. Inst. of Agronomy)
- H. Toyoda (Tokyo Univ. of Agriculture)
- T. D. Davis (Texas A & M University)
- K. N. Toderich (Uzbekistan)
- H. EL-Shemy (Cairo University)
- K. Yoshikawa (Okayama University)
- Y. Sakai (J. of Arid Land Studies)