

**INTERNATIONAL CONFERENCE ON SUSTAINABLE WATER MANAGEMENT:
SCIENCE, POLICY AND PRACTICE (ICOSUWAM-2026)**

**29 September – 2 October 2026
Diyarbakır, Türkiye
<https://www.dicle.edu.tr/siteler/icosuwam-2026>**

PROGRAM

29 September 2026, Tuesday, Salon : B	
08.30-09.30	Registration
09.30-11.00	Opening Cerenomy
11.00-11.20	Coffee Break
Chairs:	Dr. A. Halim Orta Dr. Ulrike Gayh
Co-Chair/Reporter:	Dr. Somayyeh Razzaghi
11.20-11.45	Transforming Water Scarcity into Water Security: New Pathways for Resilient Food Systems, Invited Speaker : <u>Dr. Mohsin Hafeez</u>, International Water Management Institute (IWMI), SRI LANKA
11.45-12.10	Artificial Intelligence and Remote Sensing for Multi-Stress Plant Phenotyping and Precision Agriculture Invited Speaker : <u>Dr. Shawn C. Kefauver</u> University of Barcelona, SPAIN
12.10-12.30	Discussion
12.30-14.00	Lunch (University Restaurant, Campus)

29 September 2026, Tuesday, Salon : D	
Chairs: Dr. Mohsin Hafeez Dr. Yeşim Ahi	
Co-Chair/Reporter: Dr. Imen Zouari	
14.00-14.20	Between Opportunity and Risk: Boron in Irrigation Water and Its Management in Citrus Invited/Keynote Speaker: <u>Francisco Garcia-Sanchez</u> , Silvia Simon-Grao CEBAS-CSIC, University of Murcia, SPAIN
14.20-14.30	Discussion
14.30-14.45	Sustaining mediterranean horticultural productivity: the role of intercropping in mitigating reduced nitrogen inputs <u>Érika Fernández-Martínez</u> , Juan José Martínez-Nicolás Vicente Gimeno-Nieves, Lourdes Yabor, Francisco García-Sánchez CEBAS-CSIC, University of Murcia, SPAIN
14.45-15.00	Analysis of climate and other factors influencing surface water changes in the Zavkhan River-Khyargas Lake basin, Mongolia <u>Batsuren Dorjsuren</u> , Amartuvshin Ulziitogtokh National University of Mongolia, MONGOLIA
15.00-15.15	Natural and anthropogenic impacts on the Ichkeul Lake, Northern Tunisia <u>Habib Abida</u> , Hiba Jemai, Rouaida Trabelsi Faculty of Sciences, University of Sfax, TUNISIA
15.15-15.30	Agronomic responses of grapevine to different water regimes in southern Tunisia <u>Fatma Wassar</u> , Leila ElGhoul, Fathia Mokh, Kamel Naguez, Mohamed Ouessar ISSTEG/IRA, Gabes, TUNUSIA
15.30-15.45	Soil Organic Carbon Fractions: Bridging Soil Genesis, Sustainable Soil and Water Management <u>Somayyeh Razzaghi</u> Erciyes University, TÜRKİYE
15.45-15.55	Discussion
15.55-16.10	Coffee Break

29 September 2026, Tuesday, Salon : D	
Chairs: Dr. Shawn C. Kefauver Dr. Moradjon Samadiy	
Co-Chair/Reporter: Dr. Imen Ayadi	
16.10-16.25	Networking farmers and researchers is a key for climate change adaptation for Citrus in the Cap bon region of Tunisia <u>Zouhaier Nasr</u> Association Nationale des Ingénieurs Agronomes de Tunisie /Forum National d'Adaptation au Changement climatique, TUNUSIA
16.25-16.40	Phytoremediation of domestic wastewater using Typha latifolia in a sand-clay infiltration-percolation system: implications for water reuse in arid regions <u>Saifeddine Eturki</u>, Feryel Hajjaji, Faiza Soud, Rayda Chaker, Yassine Hidri Institute of Arid Regions (IRA), TUNUSIA
16.40-16.55	Weighting Parameters Affecting Stormwater Networks Under Climate Change Using Multi-Criteria Decision-Making Methods: The Case of Kayseri Cansu Bozkurt, <u>Burak Çırağ</u>, Mahmut Fırat Atatürk University, TÜRKİYE
16.55-17.10	Assessment of Groundwater Microbiological Quality and Antimicrobial Resistance Along a Landfill Exposure Gradient: Implications for Sustainable Water Management in Morocco <u>Jaima Wissal</u>, Abdelmoumen Hanaa , Sarhane Bouchaib Mohammed V University in Rabat, MOROCCO
17.10-17.25	Treated Wastewater Irrigation for Climate-Resilient Rice Production: A Comparison of Drip and Basin Methods <u>Yeşim Ahi</u>, Ulviye Çebi, Mehmet Ali Gürbüz, Hüseyin T. Gültaş, Selçuk Özer, Ümit Geçgel, Günay Yıldız Töre Ankara University, TÜRKİYE
17.25-17.40	Discussion
19.00-20.30	Dinner (DTSO)

30 September 2026, Wednesday, Salon: D	
Chairs: Dr. Francisco Garcia-Sanchez Dr. Veysel Dinler	
Co-Chair/Reporter: Dr. Fatma Karaouli	
09.00-09.20	Invited/Keynote Speaker: <u>Eyüp Selim Köksal</u> Ondokuz Mayıs University, Samsun, TURKIYE Evaluation of Actual Evapotranspiration Approaches Based on Spectral Vegetation Indices for Variable-Rate Irrigation Management in Silage Maize
09.20-09.30	Discussion
09.30-09.45	A Sensor-Assisted, Geospatially-Enabled Water Supply Monitoring System for Reducing Non-Revenue Water in District Metered Areas <u>Adam Omar Karia</u> , Ghanima Chanzi Water Institute, TANZANIA
09.45-10.00	Drought monitoring using Landsat 8/9 Nasa agency imageries and soil moisture measurements in Wadi Tataouine watershed, Southern Tunisia <u>Rouaida Trabelsi</u> , Oumayma Amri, Habib Abida Faculty of Sciences/ University of Sfax, TUNUSIA
10.00-10.15	Development of Remote Sensing Based Irrigation Scheduling Application using Google Earth Engine <u>Emre Tunca</u> , Eyup Selim Köksal, Düzce University, TURKIYE
10.15-10.30	Assessing Soil Moisture Dynamics and Groundwater Recharge through the Integration of Optical and Radar Remote Sensing, Infiltration Measurements and Electrical Resistivity Tomography <u>Nadia Khelif</u> , Latifa Dhaouadi, Fatma Karaouli, Mongi Ben Zayed, Mohamed Ouasser University of Gafsa, TUNISIA
10.30-10.45	A Satellite-Derived Drought Vulnerability Index for Agricultural Land in the Konya Closed Basin, Central Anatolia Fatemeh Ghasempour, <u>Sevim Seda Yamaç</u> , Alihsan Sekertekin, Muzaffer Can Iban, Senol, Hakan Kutoglu, Necmettin Erbakan University, TURKIYE
10.45-10.55	Discusion
10.55-11.10	Coffee Break

30 September 2026, Wednesday, Salon D	
Chairs: Dr. Enrique Playán Dr. Habib Abida	
Co-Chair/Reporter: Dr. Jovana Bezdan	
11.10-11.30	Invited/Keynote Speaker: <u>A. Halim Orta</u> Namık Kemal University, Tekirdağ, TURKİYE Agricultural Water Management in Drought Periods
11.30-11.40	Discussion
11.40-11.50	Assessment of Uncertainty in Drought Projections Using CMIP6 Models in the Büyük Menderes Basin <u>Elnaz Aliabadi</u> , Şerafettin Aşık, Umut Okkan, Zeynep Beril Ersoy , Ege University, TURKİYE
11.50-12.00	Phenotyping irrigated and non-irrigated wheat varieties with high resolution satellites in Mediterranean conditions <u>Joel Segarra</u> , Shawn C. Kefauver, Jose Luis Araus University of Barcelona, SPAIN
12.10-12.20	Deficit Irrigation Effects on Irrigated Winter Wheat Yield in Tashkent, Uzbekistan under Future Climate Scenarios <u>Qaisar Saddique</u> Potsdam Institute for Climate Impact Research (PIK), GERMANY
12.20-12.30	Angstrom-Presscott Coefficients of Diyarbakır and Reference Evapotranspiration Frequency Analysis <u>Ali Ünlükara</u> , Mehmet Kılıç, Mustafa Arif Timoçin Erciyes University, TURKİYE
12.30-12.40	Assessing Water Movement and Nitrate Leaching in Tunisian Semi-Arid Melon Cultivation: A Modeling Approach <u>Imen Ayadi</u> , Samba Kane, Fatma Wassar, Neji Mahmoudi, Latifa Dhaouadi, Ines Toumi, Mahmoud Bali, Raja Dakhli, Ridha elBeji, Youba El Bechir Med Boubacar, Rachid Boukchina Francisco Garcia Higher Institute of Science and Techniques of Water Gabes, TUNISIA
12.40-12.50	Discussion
12.50-14.00	Lunch (University Restaurant, Campus)

30 September 2026, Wednesday	
14.00-18.30	14.00-15.00 Visiting GAP-UTAEM (GAP International Agricultural Research and Training Center) 15.00-18.30 City Tour, Down Town, Diyarbakır 19.00 Dinner (UTAEM)

1 October 2026, Thursday, Salon : Salon D	
Chairs: Jeff Camkin Dr. Ali A M Shaki	
Co-Chair/Reporter: Dr. Ghanima Amisi Chanzi	
09.00-09.20	<u>Invited/Keynote Speaker: Enrique Playán,</u> Spanish National Research Council, SPAIN Updating the Ador-Solid-Set Irrigation Simulation Model: soil map, soil water – yield simulation and DSSAT crop simulation <u>E. Playán,</u> J. Caverro, J. Fernández-Pato, J. Burguete, P. Paniagua, E. García, E. T. Medina, M. G. Bongiovanni, C. Romano, N. Zapata, F. Dechmi
09.20-09.30	Discussion
09.30-09.45	Constitutional Protection of Ecological Balance and Sustainability: Ecological Constitutionalism for Sustainable Agriculture and Water Management <u>Veysel Dinler</u> Hitit University, TÜRKİYE
09.45-10.00	Water Footprint Research in Türkiye: Bridging Science, Policy, and Practice <u>Abdullah Muratoğlu,</u> Muhammed Sungur Demir Batman University, Batman, TURKİYE
10.00-10.15	The Role of TAGEM- Irrigation Projects in Irrigation Management of Türkiye <u>Gonca Karaca Bilgen,</u> Şule Küçükçoşkun, Cenk Akşit General Directorate of Agricultural Research And Policies, TURKİYE
10.15-10.30	Rethinking Irrigation Water Requirement as a Revisable Planning Assumption under Climate Change <u>Seyed Saber Sharifi</u> , Jeff Camkin, Andres Jaramillo Independent Researcher, Tabriz, IRAN
10.30-10.45	Chemical Barrier to Circular Water Economy: PFAS Pollution and Future Management Strategies <u>Sevgi Savran,</u> Bahar İkizoğlu Süleyman Demirel University, TURKİYE
10.45-10.55	Discussion
11.55-11.10	Coffee Break

1 October 2026, Thursday, Salon D	
Chairs: Bahadır Boz Dr. Muhammad Ismail Kumbhar	
Co-Chair/Reporter: Dr. Nadia Khelif	
11.10-11.30	Keynote Speaker: <u>Hüseyin Selçuk</u> Istanbul University-Cerrapaşa, Istanbul, TURKİYE Climate Change, Water Scarcity and Industrial Transformation in Türkiye: Challenges and Circular Solutions
11.30-11.40	Discussion
11.40-11.55	Low-cost filters from marble and brick waste for urban wastewater treatment <u>Mahmoud Bali</u> , Leila Elghoul, Lissir Boulanouar, Ulrike Gayh Higher Institute of Water Sciences and Techniques, University of Gabès, TUNISIA
11.55-12.10	Advancing Zero Liquid Discharge in the Textile Industry through Salt and Water Recovery and Salinity Management in Rivers and Agricultural Lands <u>Yaren Araz</u> , Gökem Yüksel, Hüseyin Selçuk Istanbul University – Cerrahpaşa, TURKİYE
12.10-12.25	Sustainable Solar-Powered Distillation System Coupling Greenhouse Effect and Photovoltaic Heating for Freshwater and Salt Production <u>Boulbaba Louhichi</u> Higher Institute of Water Sciences and Techniques of Gabes, University of Gabes, TUNUSIA
12.25-12.40	TiO ₂ -based ceramic layer developed on flat ceramic-clay supports to remove wastewater dyes Abir Taher, Ines Tlili, Mohamed Mezni <u>Noureddine Hamdi</u> Higher Institute of Water Sciences and Techniques of Gabes, University of Gabes, TUNUSIA
12.40-12.50	Discussion
12.50-14.00	Lunch (University Restaurant, Campus)

PARALEL SESSION	
REGULAR ORAL PRESENTATIONS	
1 October 2026, Thursday, Workshop Salon	
Chairs: Dr. Hüseyin Selçuk Dr. Ghulam Abbas	
Co-Chair/Reporter: Jaima Wissal	
09.00-09.20	Invited/Keynote Speaker: <u>Olaf Verheijen</u> OV Consult, Temel-Su , NETHERLAND Looming Water Crisis in Amu Darya River Basin – Impacts of Climate Change, Rogun Dam and Qosh Tepe Canal on Availability of Irrigation Water for Uzbekistan
09.20-09.30	Discussion
09.30-09.45	Precision Irrigation in a Super-Intensive Olive Orchard: Where Should Soil Moisture and Salinity Sensors Be Installed <u>Rayda Chaker,</u> Hadda Ben Mbarek, Kamel Gargouri, Saifeddine Eturki, Faiza Khalfelli, Mohamed Ouessar Institute of Arid Regions, TUNUSIA
09.45-10.00	Sustainable Water Management in Agriculture under Climate Change: Adaptation Strategies, Smart Irrigation, and Decision Support Systems <u>Funda Dökmen</u> Kocaeli University, TURKİYE
10.00-10.15	Rainwater Harvesting in Saudi Arabia: Experiences, Challenges, and Opportunities for Sustainable Water Management Turki Faraj Al-asiri, Sami Albarih, Waqar Akram, <u>Mirza B. Baig</u> King Saud University, SAUDI ARABIA
10.15-10.30	Closing the Irrigation Decision Loop in Potato Production: Evidence, integration gaps, and field performance of soil–plant–atmosphere monitoring technologies Emmanuel Hakiruwizera, <u>Yusuf Ucar,</u> Yasemin Beyza Demirbas Isparta University of Applied Sciences, TURKİYE
10.30-10.45	Discussion
10.45-11.00	Coffee Break

PARALEL SESSION	
REGULAR ORAL and FLASH TALK PRESENTATIONS (In Turkish)	
1 October 2026, Thursday, Workshop Salon	
Chairs: Dr. Bilal Cemek Dr. Ali Rıza Öztürkmen	
Co-Chair/Reporter: Dr. Yeşim Çolak	
REGULAR PRESENTATIONS	
11.00-11.10	Effects of Water Deficit on Leaf Water Potential in Young Kiwifruit Vines (<i>Actinidia deliciosa</i> * cv. Hayward) under Yalova Conditions Arzu Gündüz , Uğur Caymaz, Kemal Abdurrahim Kahraman, Erdiñ Uysal, Abdalbaki Şen Atatürk Horticultural Crops Central Research Institute Yalova, TÜRKİYE
11.10-11.20	Monthly reference evapotranspiration estimation using wavelet decomposition-supported machine learning and stochastic models. Bilal Cemek Ondokuz Mayıs University, Samsun, TURKİYE
FLASH TALK PRESENTATIONS	
11.20-11.25	Effects of Different Irrigation Water Sources and Salt Stress on Plant Growth, Physiology, and Quality in Lice Tomato (<i>Solanum lycopersicum</i> L.) and Çermik Pepper (<i>Capsicum annuum</i> L.) Erhan Akalp , Vedat Pirinç, Öner Çetin Dicle University, TURKİYE
11.25-11.30	Diurnal Leaf Gas Exchange of Maize (<i>Zea mays</i> L.) under Semi-Arid Niğde Conditions Ali Kaan Yetik , Halis Seçme Siirt University, TÜRKİYE
11.35-11.40	Climate Crisis and Sustainable River Management in the Dicle-Fırat Basin: Developed Policies and Practices Ali Can Gözcü , İbrahim Faruk Kurukaya Hakkari University, TURKİYE
11.40-11.45	Spatial And Temporal Distribution of Reference Evapotranspiration for Sustainable Water Management Songül Börü , Zeynep Aykaç, Z. Fuat Toprak Dicle University, TÜRKİYE
11.45-11.50	Applicability of Water Efficiency Criteria in Agricultural Water Management: A Case Study of the Kösreli Irrigation Union Erdem Eroğlu , Berna Kendirli, Belgin Çakmak General Directorate of Water Management, TURKİYE
11.50-11.55	Energy Recovery From Agricultural Irrigation Networks Using Micro Hydropower Technologies: A Review Zeynep Aykaç , Songül Börü, Z. Fuat Toprak Van Yüzüncü Yıl University, TURKİYE
11.55-12.00	Preparation of a High-Resolution Evaporative Stress Index for the Konya Basin Çağlar Ozkan Sezer , Yusuf Ersoy Yıldırım, Malatya Turgut Özal University, TURKİYE
12.00-12.05	Water Footprint In Water Management And Water Efficiency: Global and Turkey Scale

	<u>Çiğdem Hoşgören</u> , Mustafa Ünlü Çukurova University, TURKİYE
12.05-12.10	Effects of Micro-Catchment Water Harvesting and Organic Amendment on Melon Yield, Soil Moisture, and Greenhouse Gas Intensity under Rainfed Conditions <u>İlknur Cebeci</u> , Ödül Öztürk, M. Yağmur Polat, Akın Özcan, Ayşe Özge Ülker, Alper Serdar Anlı Soil, Fertilizer and Water Resources Central Research Institute, Ankara, TÜRKİYE
12.10-12.15	Trend Analysis of Hydroclimatic Variables and Meteorological Drought in Diyarbakır, Türkiye (1985–2024) <u>Burak Dalkılıç</u> , Alper Baydar, Yeşim Bozkurt Çolak Malatya Turgut Özal University, TURKİYE
12.15-12.20	The Effects of Disasters on Agricultural Irrigation and Water Resources <u>Emrah Gökkaya</u> , Ömer Demirbilek, Hamza Kiraz Kayseri University, Kayseri, TURKİYE
12.20-12.35	Discusion
12.35-14.00	Lunch (University Restaurant, Campus)

PANEL, Salon: D SUSTAINABLE WATER MANAGEMENT	
1 October 2026, Thursday	
Chair: Dr. Eyüp Selim KÖKSAL	
Co-Chair/Reporters: Dr. Somayyeh Razzaghi Dr. Rayda Chaker	
14.00-15.00	Speakers: (All speakers are invited speakers) Jeff Camkin The University of Western Australia, Perth, AUSTRALIA From fish to water to climate and agrifood systems: Reflections and lessons learnt about strengthening research impact through policy and practice Bahadır Boz International Experiences and Challenges in Water Management Projects Temel-Su International Engineering Services INC. UZBEKISTAN Dr. Ulrike Gayh Water Technology Heidelberg University, GERMANY Humic Substances in Sustainable Water Management: Bridging Natural Processes and Engineered Solutions Dr. A. Halim Orta Tekirdağ Namık Kemal University, TURKİYE Agricultural Water management:, Challenges and Experiences in Turkiye Mehmet Şerifoğlu Gen. Director of Diyarbakır Water and Sewerage Administration (DISKI), Diyarbakır, TURKİYE Dr. Muhammad Ismail Kumbhar Sindh Agriculture University, Tandojam, PAKISTAN Climate Change, Water Scarcity And Rural Resilience In Pakistan: Evidence Of Floods, Droughts And Groundwater Stress
15.00-15.20	Discussion
15.20-15.35	Coffee Break

1 October 2026, Thursday, Salon D	
Chairs: Dr. Mahmut Çetin Dr. Adam Omar Karia	
Co-Chair/Reporter: Dr. Amartuvshin Ulziitogtokh	
15.35-15.50	Diagnosing Agricultural Drainage Network Efficiency through Hydrogeological and Hydrochemical Characterization of a Shallow Aquifer in the Souk El Ahad Oasis (Southern Tunisia) <u>Fatma Karaouli</u> , Latifa Dhaouedi, Nadia Khelif, Mongi ben Zaied, Mohamed Ouessar, University of Gafsa, TUNISIA
15.50-16.05	Innovative Index For Optimizing Using Saline Water In Irrigation <u>Isam M. Abdulhameed</u> , Nese Yaman Al-Idrisi University College, IRAQ
16.05-16.20	Enhancing Nutrient Uptake and Yield of Wheat through soil water Conservation Using Organic and Inorganic Amendments under Rainfed Conditions <u>Ghulam Abbas</u> , Ammara Khan, Naqeeb Ur Rahman, Behzad Murtaza, Muhammad Saqib COMSATS University Islamabad, PAKISTAN
16.20-16.35	Discussion

1 October 2026, Thursday, Salon D	
Chairs: Dr. Belgin Çakmak Dr. Isam M. Abdulhameed	
Co-Chair/Reporter: Dr. Fatma Wassar	
16.35-16.50	Performance Evaluation of the SWAT+ Model for Simulating Irrigation Return Flows in a Mediterranean Agricultural Catchment, Türkiye <u>Omar Alsenjar</u> , Mahmut Cetin, John Obiero, Mihriban Gül Seydel, Muzaffer Dalgic, Reuben Ruttoh, Nelson Ayanga Cukurova University, TURKIYE
16.50-17.05	Twenty-Year Performance of the Gložan Constructed Wetland: From Pollutant Removal to Regulatory Compliance <u>Jovana Bezdan</u> , Atila Bezdan, University of Novi Sad, SERBIA
17.05-17.20	Evaluation Of Swat Model Performance For Water Balance Estimation In The Lower Seyhan Plain Irrigation Catchment <u>Reuben Ruttoh</u> , Mahmut Cetin, Omar Alsenjar, John Obiero, Nelson Ayanga Kenya Agricultural and Livestock Research Organization, KENYA
17.20-17.35	Reducing the Water Footprint in the Textile Industry Using a Commercialized Locally Developed Patented Technology: Technical Approaches, Industrial Applications, and Financial Assessment <u>Görkem Yüksel</u> , Yaren Araz, Hüseyin Selçuk Istanbul University – Cerrahpaşa, TURKIYE
17.35-17.50	Discussion

1 October 2026, Thursday, Workshop Salon	
PARALLEL SESSION FLASH TALK PRESENTATIONS	
Chairs: Dr. Yusuf Uçar Dr. Mirza B. Baig	
Co-Chair/Reporter: Dr. Zineb El Mouridi	
15.35-15.40	Comparative Evaluation of Meteorological, Agronomic, and Sensor-Based Variables for Winter Wheat Yield Prediction Using Machine Learning Remzi Özkan , Merve Bayhan, Mehmet Yıldırım, Cuma Akıncı Hakkari University, TURKIYE
15.40-15.45	Ceratophyllum demersum and Ceratophyllum submersum in Freshwater Ecosystems: A Scientific Literature Review with Focus on Lake Beleu, Republic Of Moldova Cecelu Liliana , Şeremet Andrei, Roşca-Sadurschi Liudmila Technical University of Moldova, Cahul University Centre "B.P.Hasdeu", REPUBLIC OF MOLDOVA
15.45-15.50	Soil and Pepper Crop Responses to Microalgae Sludge–Biochar Amendments under Sustainable Farming Systems Sayda Jaziri , Rahma Inès Zoghلامي, Imen Tlili, Riadh Illahy, Thouraya R'Him National Institute of Agronomic Research of Tunisia (INRAT), TUNUSIA
15.50-15.55	Phytoremediation of domestic wastewater using Typha latifolia in a sand-clay infiltration-percolation system: implications for water reuse in arid regions Saifeddine Eturki , Feryel Hajjaji, Faiza Souid, Rayda Chaker, Yassine Hidri Institute of Arid Regions (IRA), TUNUSIA
15.55-16.00	Conservation Agriculture in Morocco: A Path to Soil Health and Water Conservation Zineb El Mouridi , Sahar Bennani, Siham Charradi, Ziri Rabia National Institute of Agricultural Research (INRA), Rabat, MOROCCO
16.00-16.05	Managing surface water for wetland restoration and biodiversity in northern Morocco Nouhayla Abdi , Zineb Elmouridi, Oumnia Himmı, Abdelmjid Zouahri, Rachid Sammoudi, MOROCCO
16.05-16.10	Assessment of soil salinity using inversion modeling: a case of study from Tunisia Dorsaf Allagui National Research Institute of Rural Engineering TUNISIA
16.10-16.15	Growing-season water scarcity in the Danube–Tisza–Danube Hydro-System: an 80-year analysis of low-water occurrence and its agricultural and ecological implications Atila Bezdan , Jovana Bezdan University of Novi Sad, SERBIA

16.15-16.20	Quantifying Water and Nutrient Circularity in Hydroponic Agriculture Using Treated Municipal Wastewater: Mass-Balance and Electrodialysis Feasibility Assessment Burak Yuzer, Yaren Araz, <u>Akın Emrecañ Gök</u>, Gorkem Yuksel, Huseyin Selcuk Qatar Environment and Energy Research Institute (QEERI), Hamad Bin Khalifa University, Qatar Foundation, Doha, QATAR
16.20-16.25	Precision Irrigation in a Super-Intensive Olive Orchard: Where Should Soil Moisture and Salinity Sensors Be Installed <u>Rayda Chaker</u>, Hadda Ben Mbarek, Kamel Gargouri, Saifeddine Eturki, Faiza Khalfelli, Mohamed Ouassar Institute of Arid Regions, TUNUSIA
16.25-16.40	Discussion

PARALLEL SESION FLASH TALK PRESENTATIONS	
1 October 2026, Thursday, Salon	
Chairs: Dr. Batsuren Dorjsuren Dr. Abdullah Muratoğlu	
Co-Chair/Reporter: Dr. Liliana Ceclu	
16.40-16.45	Circular Economy Principles in Sustainable Resource Management: Managerial Policy Lessons from International Best Practices <u>Liudmila Roşca-Sadurschi</u> , Ceclu Liliana, Technical University of Moldova, Cahul University Centre "B.P.Hasdeu", REPUBLIC OF MOLDOVA
16.45-16.50	Variation in Crop Water Consumption in Certain Provinces of the Central Anatolia Region in Türkiye <u>Zeynep Arı Gökkaya</u> , Ali Ünlükara Kayseri University, TURKİYE
16.50-16.55	Water Abundance or Utility Scale? Determinants of Network Water Losses in Türkiye's Metropolitan Water Utilities <u>İbrahim Faruk Kurukaya</u> , Ali Can Gözcü Hakkari University, TURKİYE
16.55-17.00	Effect of Water Deficit on Grain Yield Architecture in Wheat: An Explainable Machine Learning Approach <u>Süreyya Betül Rufaioğlu</u> , Levent Yorulmaz, Sibel İpekeşen, Murat Tunç, Mihriban Okur, Doğan İpekeşen Harran University, TURKİYE
17.00-17.05	Water Resources and Water Security in the Kingdom of Saudi Arabia: Challenges and Strategies for Sustainability <u>Mirza B. Baig</u> , Turki Faraj Alasiri King Saud University, Riyadh - SAUDI ARABIA
17.05-17.10	Beyond Water Savings: Evaluating Water Scarcity and Discharge Quality Benefits of Closed-Loop Water Reuse in Textile Manufacturing <u>Akın Emreçan Gök</u> , Hüseyin Selçuk, Yaren Araz, Görkem Yüksel Istanbul University-Cerrahpaşa, TURKİYE
17.10-17.15	Is Water Management Really Material? Evidence from Stakeholder-Based Sustainability Assessments of Manufacturing SMEs <u>Akın Emreçan Gök</u> , Hüseyin Selçuk, Yaren Araz Istanbul University-Cerrahpaşa, TURKİYE
17.15-17.20	Effect of different levels of water requirements, fertilization, and row spacing on yellow maize productivity in the Sabha region, southwestern Libya <u>Ali A.M. Shaki</u> , Mohammed, A. A. Alameen, Sabha University, Sabha, LIBYA
17.20-17.25	Enhancing olive cultivation in Tunisia by using kaolin sprays and polyter on olive trees (Olea europaea L.) grown in semi-arid conditions facing climate change <u>İmen Zouari</u> , Amel Mguidiche, Mouna Mezghani Aïachi Olive Institute, TUNİSIA
17.25-17.30	Development of a Method for Determining Evaporation from Water Reservoirs Located in the Southern Region of Uzbekistan

	<u>Sarmonov Nodirbek</u> <u>Kashi State Technical University, UZBEKISTAN</u>
17.30-17.45	Discussion

2 October 2026, Friday (08.00-20.00)	TECHNICAL and CULTURAL TOURS (Optional, the whole day) TOUR-1 : MARDIN TOUR-2 : ŞANLIURFA
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