INTERNATIONAL GEDIZ AND AEGEAN RIVER BASINS SYMPOSIUM

INTERNATIONAL GEDIZSYMP IZMIR 2022

We look forward to your valuable participation in GEDIZSYMP2022, which aims to bring together all stakeholders from the public and private sectors who consider the resources of the Aegean River Basins as a shared value and to create a platform for discussion on the problems and current scientific studies.

GEDIZSYMP2022 Regulatory Board

Venue: Ahmet Adnan Saygun Art Center, Izmir
Date: 28 November 2022 (Proceedings) / 29 November 2022 (Proceedings and Panel)
30 November 2022 (Technical Trip)

International Gediz and Aegean River Basins Symposium (GEDIZSYMP2022)

28 NOVEMBER 2022 - MONDAY	
08.30 – 09.30 Registration - Welcome	
9.30 – 10.00 Opening Speeches	
10.00 – 10.30 Keynote Speaker: *Prof. Dr. Hafzüllah Aksoy (Istanbul Technical University)* An Overview of Gediz And Kucuk Menderes River Basins In The Context of Drought	
10.30 – 10.45 Break	
10.45 – 12.25 Session 1: Water Resources I **Session Chair:** *Prof. Dr. Şebnem Elçi (IZTECH)*	
The Importance of Gediz Basin for Izmir *Alim Murathan*	**10.45 – 11.05**
Gediz Basin Drought Solution Suggestions *Emine Erdem Cingöz*, Yüksel Abalı*	**11.05 – 11.25**
Flood Risk Analysis for Gediz Delta and its Surroundings *Hande Gündel*, Ayşe Kalaycı Önaç*	**11.25 – 11.45**
Evaluation of Groundwater Resources of Gediz Basin In Terms of Quantity and Quality *Alper Baba, Celalettin Şimşek*, Orhan Gündüz, Alper Elçi, Alim Murathan*	**12.05 – 12.25**
12.25 – 13.30 Lunch	
13.30 – 14.00 Keynote Speaker: *Prof. Dr. Mehmet Ekmekçi (Hacettepe University)* Urban Water Management Plans within The Scope of Sustainable Water Resources Management and The 2030 Goals	
14.00 – 15.40 Session 2: Water Resources II **Session Chair:** *Prof. Dr. Orhan Gündüz (IZTECH)*	
Current Situation in Geothermal Usage in Gediz Graben *Hüseyin Uytun*, Taygun Uzelli, Alper Baba*	**14.00 – 14.20**
Remote Sensing Data-Supported Groundwater Recharge Estimation for The Alaşehir-Sarıgöl Sub-Basin Alluvial Aquifer *Elif Aysu Batkan*, Barış Çaylak, Ali Hakan Ören, Alper Elçi*	**14.20 – 14.40**
Basin Percolation Determination with SMA and CN Model Applications: Case Study of Alasehir Basin *Özgün Akdeğirmen*, Celalettin Şimşek, Alper Baba*	**14.40 – 15.00**
Managed Groundwater Storage Project *Adem Büyükköprü*	**15.00 – 15.20**
Gediz Basin Vital Decisions *Şener Kilimcigöldelioğlu*	**15.20 – 15.40**
15.40 – 15.55 Break	
15.55 – 16.25 Keynote Speaker: *Dr. Eban Z. Bean (University of Florida)* Amending Compacted Urban Soils with Compost for Water Conservation in Florida, USA	
16.25 – 17.45 Session 3: Agriculture and Planning **Session Chair:** *Prof.Dr. Koray Velibeyoğlu (IZTECH)*	
New Paradigm Search for River Basin Planning in the Age of Multidimensional Crisis and Uncertainties: Case of Gediz Basin *Koray Velibeyoğlu, Adnan Kaplan**	**16.25 – 16.45**
Awareness of Water Crisis in Agriculture *Selma Demirtaş*, Metin Göksel Akpınar*	**16.45 – 17.05**
Performance Indicators for Improving Irigatıon Management In Aegean District *Fırat Arslan*, Demetrio Antonio Zema*	**17.05 – 17.25**
Reuse Of Process Wastewater as An Innovative Solution to Reduce Water Use in Grape Processing Sector: Gediz Example *Yağmur Gören Kara*, Alper Özmumcu, Alper Baba, Orhan Gündüz*	**17.25 – 17.45**

29 NOVEMBER 2022 - TUESDAY		
08.45 – 09.45 Registration -Welcome		
9.45 – 10.15 Keynote Speaker: *Prof. Dr. İhsan Bülent Okur (Ege University)* Gediz Basin Lands and Gediz River		
10.15 – 10.30 Break		
10.30 – 11.50 Session 1: Pollution **Session Chair:** *Dr. Hale Demirtepe (IZTECH)*		
Nitrate Pollution in the Waters of the Gediz Basin *Yusuf Kurucu*		**10.30 – 10.50**
Pollution Studies in Gediz, Büyük Menderes and Küçük Menderes Rivers *Orkide Minareci*		**10.50 – 11.10**
Evaluation of Heavy Metals in First Flush Rainfall *Yasin İlhanlı*, Erman Ülker*		**11.10 – 11.30**
Management of Industrial Treated Wastewater Reuse in Two Mediterranean Countries (Turkıye-Tunisia) as Mitigation Measures to Water Scarcity in a Climate Change Context: The Trust Project (Torbalı-Fetrek Sub-Basin, İzmir) *Melis Somay-Altaş*, Alper Elçi, Anıl Küçüksümbül, Fatmanur Çakır, Çiğdem Eryılmaz-Saylan*		**11.30 – 11.50**
11.50 - 13.00 Lunch		
13.00 – 13.30 Keynote Speaker: *Prof. Dr. Orhan Gündüz (IZTECH)* Hydrometeorological Status and Dynamic Land Use Analysis of Lake Marmara Under Water Stress		
13.30 – 14.50 Session 2: Sustainability I **Session Chair:** *Dr. Melis Somay Altaş (Dokuz Eylül University)*		
Bird Research and Monitoring Studies in The Gediz Delta in 2021 *Ahmet Kaya*, Adem Akyol, Burçin Yaraşlı, Şafak Arslan*		**13.30 – 13.50**
Investigation of The Relationship of Land Subsidence Due to Over-Exploitation of Groundwater with The Variation in Piezometric Levels *Barış Çaylak*, Ali Hakan Ören, Elif Aysu Batkan, Alper Elçi, Carolina Guardiola-Albert, Guadalupe Bru,Pablo Ezquerro, Roberto Tomás, María Inés Navarro-Hernández*		**13.50 – 14.10**
Estimating Groundwater Recharge Using Hydrus Model: A Case Study In Alaşehir Sub-Basin, Western Anatolia *Serhat Tonkul*, Alper Baba, Celalettin Şimşek, Seda Durukan, Ali Can Demirkesen, Gökmen Tayfur*		**14.10 – 14.30**
Groundwater Recharge Estimation for The Azraq Basin (Jordan) Using GIS *Alsharifa Hind Mohammad*, Khaldoun Shatanawi, Alper Elçi*		**14.30 – 14.50**
The Perceived Quality Of Life Around Geothermal Power Plants: An Integrated Approach Based On Socio-Spatıal Analysis And Subjective Evaluations, Case of Alasehir *Gamze Altındaş*, Koray Velibeyoğlu*		**14.50 – 15.10**
15.10 – 15.25 Break		
15.25 – 15.55 Keynote Speaker: *Dr. Esen Momol (University of Florida)* Florida-Friendly Landscaping™: Public Education Outreach for Water Conservation and Water Quality Protection		
15.55 – 17.35 Session 3: Sustainability II **Session Chair:** *Dr. Deniz Gerçek (IZTECH)* **Salon - I**	**15.55 – 17.35 Parallel Session: NGOs** **Session Chair:** *Dr. Hatice Eser Ökten (IZTECH)* **Salon - II**	
Contributions of Blue Infrastructure / Water Surfaces to Reducing The Urban Heat Island Effect; Case Study of Izmir *Gökçe Gönüllü Sütçüoğlu*, Ayşe Kalaycı Önaç*	GEMA *Presenter, Topic*	**15.55 – 16.15**
Ecological Status Assessment of Ashberon Lakes In Azerbaijan (By The Example Of Lake Gala) *Hajiyeva Sevinj, Aliyeva Tarana, Mustafayev Islam, Bilgehan Nas**	The Chamber of Environmental Engineers *Presenter, Topic*	**16.15 – 16.35**
A Contemporary Nature-Based Approach To Urban Stormwater Management of Bodrum Peninsula In The Light of The Local Water Heritage *Fatma Öykü Çömez*, Nicel Yılmaz Saygın*	The Chamber of Geological Engineers *Presenter, Topic*	**16.35 – 16.55**

Domestic Water Consumption in Karaburun Peninsula *Şevval Meral*, Deniz Gerçek*	The Chamber of Agricultural Engineers *Presenter, Topic*	**16.55 – 17.15**
	İZDOĞA *Presenter, Topic*	**17.15 – 17.35**
17.35 – 18.05 Keynote Speaker: *Dr. Mark Clark (University of Florida)*		
18.05 – 18.15 Kapanış		

30 NOVEMBER 2022 - WEDNESDAY	
08.30 – 17.30 Gediz Technical Trip	
Tour Guide: *Şener Kilimcigöldelioğlu (GEMA Foundation)*	
Sabancı Cultural Center, Konak (İzmir)	**08:00**
Kula	**10.30** – **11.30**
Demirköprü Dam	**11.30** – **12:00**
Lunch	**12:30** – **13:30**
Gölmarmara	**13:30** – **15:00**
Yılmazköy	**15:20** – **15:50**
Salihli, Çamurhamamı	**16:10** – **16:20**
Ahmetli Regulator	**16:40 – 17:00**
Turgutlu, Organized Industrial Zone	**17:30 – 18.00**