

9<sup>th</sup> International Symposium on Atmospheric Sciences – ATMOS 2019

<b>23 OCTOBER 2019– WEDNESDAY</b>	
<b>Main Hall</b>	
<b>OPENING CEREMONY AND INVITED SPEAKERS-PART I</b>	
<b>Emine Ceren Eyigüler</b>	
<b>09:30 - 09:45</b>	<b>Kasım Koçak</b> , Chair, ATMOS2019, ITU
<b>09:45 - 10:00</b>	<b>Fırat Çukurçayır</b> , Head, The Chamber of Meteorological Engineers, TMMOB
<b>10:00 - 10:15</b>	<b>Ahmet Duran Şahin</b> , Head, Department of Meteorological Engineering, ITU
<b>10:15 - 10:30</b>	<b>Metin Orhan Kaya</b> , Dean, Faculty of Aeronautics and Astronautics, ITU
<b>10:30 - 10:45</b>	<b>Volkan Mutlu Coşkun</b> , Director General, Turkish State Meteorological Service, MGM
<b>10:45 - 11:00</b>	<b>Mehmet Karaca</b> , Rector, Istanbul Technical University, ITU
<b>11:00 - 11:25</b>	<b>Coffee Break</b>
<b>11:25 - 12:05</b>	<b>Christian Bernhofer</b> , Dresden Technical University, Germany Flux climatology – using long-term flux data for climate analysis
<b>12:05 - 13:30</b>	<b>Lunch</b>
<b>13:30 - 14:10</b>	<b>Anthony Lupo</b> , University of Missouri, USA Changes in atmospheric blocking in the Atlantic – European Sector including Turkey and the impact on climate
<b>14:10- 14:50</b>	<b>Josef Eitzinger</b> , University of Natural Resources and Life Sciences, Austria Extreme weather impacts on crop production – research challenges
<b>14:50 - 15:10</b>	<b>Coffee Break</b>
<b>15:10 - 15:50</b>	<b>Reiji Kimura</b> , Arid Land Research Center, Tottori University, Japan Recent trends of climatical indices and actual conditions of aridity in drylands
<b>15:50 - 16:30</b>	<b>Andrea N. Hahmann</b> , Technical University of Denmark, Denmark What we learned about the wind climate of Europe in the New European Wind Atlas (NEWA)
<b>17:00 - 18:00</b>	<b>Dinner</b>

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24 OCTOBER 2019- THURSDAY			
	Room A	Room B	Room C
Topic	Data Analysis in Atmospheric Sciences (1)	Climate Change (1)	Agricultural and Forest Meteorology (1)
Chair	Ali Ümran Kömüscü	Hasan Tatlı	Christian Bernhofer, Levent Şaylan
09:30 – 09:45	<b>Ö. Baydaroğlu Yeşilköy, K. Koçak:</b> Spatiotemporal Analysis of Wind Speed via Bayesian Maximum Entropy Approach	<b>N. Mısır, M. Mısır, A. Yıldız:</b> Impact of Forest Management Practices on Climate Change	<b>S. Karayusufoğlu Uysal, L. Şaylan, B. Çaldağ:</b> Evaluation of the Effect of Soil Moisture on Surface Heat Flux over Maize
09:45 – 10:00	<b>E. N. Sarı, S. Yılmaz:</b> Spatial Comparison of Air Pollution over Urban Pattern	<b>S. Şensoy, A. Ü. Kömüscü, N. Türkoğlu, İ. Çiçek, Ü. E. Ünalı:</b> Effect of Climate Change on Heating and Cooling Requirement for Antalya	<b>C. Kıvrak, S. Bawazir, F. Bakanoğulları, L. Şaylan:</b> Using Remote Sensing Technology to Estimate Surface Energy Flux of Plants
10:00 - 10:15	<b>A. Akyüz, B. Cemek, E. Küçüktopçu:</b> Comparison of Different Interpolation Methods for Solar Radiation in Turkey	<b>B. M. Yahya, D. Z. Şeker:</b> Meteorological Drought Monitoring, Prediction, and Assessment as a Supposed Solution for Detecting Climate Change Impacts	<b>S. Broca:</b> Socio-economic Impact of Climate Change on Agricultural Interactions
10:15 - 10:30	<b>M. A. Özdemir, O. Bozyurt:</b> Temporal Changes of the Temperature and Precipitation Values in Afyonkarahisar Urban Area	<b>H. Tatlı:</b> Drought Analysis Using Copulas with Respect to the Climate Scenarios AR5 RCP8.5	<b>E. Zenina:</b> FAO's Priorities in Climate Change Activity
10:30 - 10:45	<b>M. B. Kelebek, F. Batıbeniz, B. Öno:</b> Recent Changes in the Climate Extremes Based on Modified Climate Extremes Index over Europe-Mediterranean Climate Hotspot	<b>H. Tatlı:</b> Meteo-Diversity of Precipitation via Gini-Simpson Index over Turkey	<b>E. D. Gülle Sakin, S. Yeşilköy, L. Şaylan, E. Sakin:</b> Tillage Impacts on Soil CO <sub>2</sub> and H <sub>2</sub> O Fluxes
10:45 – 11:00	<b>Coffee Break</b>		

**24 OCTOBER 2019- THURSDAY**

**Main Hall**

**INVITED SPEAKERS-PART II**

**Chair**

**Emine Ceren Eyigüler**

**11:00 – 11:40**

**Zafer Aslan**, Istanbul Aydin University  
Impact of Climate Changing and Modelling of Water Erosion Risk by WANN

**11:40 – 12:20**

**Timo Vesala**, University of Helsinki, Finland  
Carbon cycle observations, forest harvesting and public discourse

**12:20 – 13:30**

**Lunch**

24 OCTOBER 2019- THURSDAY			
	Room A	Room B	Room C
Topic	Data Analysis in Atmospheric Sciences (2)	Climate Change (2)	Agricultural and Forest Meteorology (2)
Chair	Zerefşan Kaymaz	Yurdanur S. Ünal	Josef Eitzinger, Barış Çaldağ
13:30 - 13:45	<b>M. Jibril Mohamed, B. Cemek, E. Küçüktopçu:</b> Evaluation of Some Spatial Climate Layers in Somalia via GIS and Statistical Analysis Techniques	<b>M. Demircan:</b> Event-based Investigation of Turkey's Mean Temperature and Climate Oscillation Indexes Relations	<b>N. Kapan, C. Yürük Sonuç, Y. S. Ünal, A. İlhan:</b> Reference Evapotranspiration Variations in Turkey under Conditions of Recent and Future Climate Change
13:45 - 14:00	<b>K. Oğuz, M. A. Pekin, İ. Omak, N. Öz, C. DüNDAR:</b> Evaluation of the Performance of CAMS Model with MODIS Satellite Data	<b>S. Kundu, C. Singh:</b> The Underlying Physical Mechanism Behind the Changing Pattern of Indian Summer Monsoon in Climate Change Scenarios	<b>K. A. Coşkuner, T. Berber, E. Bilgili:</b> Evaluation of Short Term Results of Turkish Fire Weather Index System Software: A Case Study in Köyceğiz State Forest Enterprise
14:00 - 14:15	<b>M. Ekici, O Eskioglu, S. Yağan, Y. Açar:</b> Ozone Satellite Data Analysis with CBS Products for Turkey (1979-2018)	<b>C. Yürük Sonuç, H. Tatlı, Y. S. Ünal:</b> Dynamical Downscaling of Holdridge Life Zones over Turkey for Future Climate Change under RCP 8.5 Emission Scenario	<b>M. Ahmed Mohammed Abdallah, B. Cemek, E. Küçüktopçu:</b> Spatial Analysis of Temperature Humidity Index Used to Evaluate Risky Sites for Cattle Production in Sudan
14:15 - 14:30	<b>S. Şensoy, A. Ü. Kömüşcü, N. Türkoğlu, İ. Çiçek, H. Esentürk:</b> Trends in Sectoral Climate Indices for Istanbul	<b>E. Kaplan, D. Diren Üstün, Y. S. Ünal:</b> Impact of Different Urban Expansion Scenarios on Urban Heat Island Intensity of Istanbul	
14:30 – 14:45	<b>Coffee Break</b>		

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24 OCTOBER 2019 - THURSDAY			
	Room A	Room B	Room C
Topic	Data Analysis in Atmospheric Sciences (3)	Miscellaneous Related Topics	Air-Land-Sea Interactions
Chair	Meral Demirtaş	H. Sema Topçu	Reiji Kimura
14:45 - 15:00	<b>F. Dadaşer Çelik, A. Ü. Kömüşcü, Ö. Karadeniz, M. Çelik:</b> Relationships between Large-Scale Atmospheric Teleconnection Indices and Precipitation over Turkey from 1980 to 2015r Turkey from 1980 to 2015	<b>M. Uluyazı, O. Şen:</b> Meteorological Characteristics of Turkey Airports	<b>H. Bulut:</b> The Effect of Climatic Factors on Boron Nutrition of Plants
15:00 - 15:15	<b>C. Özen, O. Kaplan, C. Özcan, U. Dinç:</b> Short Term Wind Speed Forecast By Using Long Short Term Memory	<b>A. Aksu, S. Yılmaz, H. Yılmaz, B. Ertem Mutlu:</b> The Effect of Distance between Plants and Structures on Outdoor Thermal Comfort	<b>S. Şahin:</b> Mediterranean Contemporary Air Mass Climatology with respect to Temperature, Stability and Moisture Flux
15:15 - 15:30	<b>D. Akyıl, Ş. S. Menteş, B. Barutçu:</b> Artificial Neural Networks Approach to Improving Wind Speed of Weather Research Forecasting (WRF) Simulation over Turkey	<b>B. Ertem Mutlu, S. Yılmaz, E. Mutlu:</b> Climate-Oriented Landscape Design of Hospital Gardens With ENVI-met	<b>E. Yavuzsoy, Y. Ezber, Ö. L. Şen:</b> Effect of the equatorial Pacific SST distribution on the climate variability of Euro-Mediterranean region
15:30 - 15:45	<b>Ş. S. Menteş, T. Kaytancı, Y. S. Ünal, Y. Ezber:</b> Comparison of 10 Years of Simulated Wind Speed with Surface Station Measurements, and Statistics of 30 Years of Simulated Wind Speed	<b>E. Mutlu, H. Yılmaz, S. Yılmaz:</b> Climate Sensitive Outdoor Thermal Comfort Models for Sustainable Landscape Design at Courtyards	<b>O. Şen, Ş. Saçu, T. Erdik, J. Duricic Erdik, İ. Öztürk:</b> Investigation of Northern Bosphorus Flow Structure with River Danube
15:45 - 16:00	<b>Coffee Break</b>		
16:00 - 17:00	<b>Poster Session</b>		

## 24 OCTOBER 2019 – THURSDAY

## POSTER SESSION

P1	<b>M. Rahimi, S.S. Fatemi:</b> Mean precipitation Trend in Iran over the Period 1960-2017
P2	<b>D. Öztürk Çetni, K. Kaba, C. Yeşilyaprak:</b> Determination and Variation of Long Term Precipitable Water Vapour (PWV) from MODIS for Eastern Anatolia Observatory (DAG)
P3	<b>O. Şatır, C. T. Tezcan, R. Balbay, C. Yeşilyaprak:</b> The MASS-DIMM System at Eastern Anatolia Observatory (DAG) Site
P4	<b>N. Takayama, T. Kyura, Y. Sumiyama, K. Nishida:</b> Relation between Heat Storage of Concrete Building Wall and Thermal Load into the Room
P5	<b>S. Yağan, O. Eskioğlu, E. Bölük, A. Ü. Kömüştü, A. Tüvan, Y. Açar, M. Ekici:</b> Analysis of Mean Temperature Trends Between 1970-2017
P6	<b>A. Şahin, İ. Ö. Yılmaz, M. Gözübüyük, H. Toros:</b> B. Overall Evaluation Of PM10 Gasses in Turkey and Data Quality Control
P7	<b>R. Koyuncu, İ. Kelkitli, H. Toros:</b> General Assessment of Sulfur Dioxide Gas (SO <sub>2</sub> ) in Turkey and Data Quality Control
P8	<b>E. Turgu, A. Ü. Kömüştü:</b> Using K-Means Methodology For Reclassifying Rainfall Regions of Turkey
P9	<b>M. Bayramçavuş, F. B. Saka, M. Mutlu, H. Toros:</b> Year of 2018 Turkey Ozone Concentration Analysis
P10	<b>J. Liu, R. Kimura:</b> Effects of Gravel with Different Coverage on the Wind Speed Characteristics and Blown Sand Flux Examined by Wind Tunnel Experiments
P11	<b>R. Balbay, C. T. Tezcan, M. Shameoni Niaei, O. Şatır, C. Yeşilyaprak:</b> DAG-MAM: Eastern Anatolia Observatory - Meteorological and Astronomical Monitoring System
P12	<b>A. Tüvan, A. Ü. Kömüştü, O. Eskioğlu, S. Şensoy, S. Yağan:</b> B. Verification of Monthly Mean Temperature Predictions of Eastern Mediterranean Climate Center (EMCC) for 2017 and 2018
P13	<b>G. Çamalan, A. S. Akgündüz, S. Çetin, H. Arabacı:</b> Drought Projections of Turkey With the Standardised Precipitation-Evapotranspiration Index
P14	<b>C. Yıldırım, B. Cemek, M. J. Mohamed:</b> D. Modeling Climate Variable Using Time Series Analysis for Somalia
P15	<b>Ö. Çapraz, A. Deniz:</b> The Relationship of a Saharan Dust Episode to the Respiratory Hospital Admissions in Istanbul, Turkey

<b>24 OCTOBER 2019 – THURSDAY</b>	
<b>POSTER SESSION</b>	
<b>P16</b>	<b>A. H. Zembil, S. L. Kuzu, A. Saral:</b> <b>B. Development of an MS Excel Application for Sectoral Carbon Footprint Estimation</b>
<b>P17</b>	<b>M. Demircan, M. Yıldırım, Y. Çalık, H. Eroğlu:</b> Determination of Optimal Areas for Building Greenhouse in Turkey in Context of Climate and Meteorology
<b>P18</b>	<b>L. Chojnacka Ożga, W. Ożga:</b> The most destructive storm in Poland – meteorological conditions of the occurrence of wind damage on August 11–12, 2017 in the forests
<b>P19</b>	<b>L. Chojnacka Ożga, W. Ożga:</b> Climate change and ash dieback in Poland: a look at wood structure
<b>P20</b>	<b>M. Mısır, N. Mısır, A. Yıldız:</b> Determining Carbon Sequestration using Remote Sensing
<b>P21</b>	<b>İ. Aktuğ, C. Kahya:</b> Thunderstorm Analysis With Stability Indices for the Mediterranean Region
<b>P22</b>	<b>Ş. Haliloğlu, E. Tan:</b> Investigation of Waterspout Occurrences in Mediterranean Region of Turkey by Using the WRF Model
<b>P23</b>	<b>E. Özcan, M. Kadioğlu:</b> <b>F. An Analysis of the Heavy Rain in Denizli, Serinhisar</b>
<b>P24</b>	<b>O. Şıklar, F. Küçük, M. Kadioğlu:</b> Comparative Synoptic Analysis of Two Recent Tornado Events in Turkey
<b>P25</b>	<b>A. Mozan, M. Al Jiboori, O. Al Taai:</b> <b>B. Study of Severe Weather Events (Dust Storms) Over Iraq By Using ECMWF Data</b>
<b>P26</b>	<b>S. Çiçekgil, M. Güler, A. Yaykiran:</b> Low Level Wind Shear Alert System (LLWAS)
<b>P27</b>	<b>S. Kaya, D. Demirhan:</b> Signs of Global Warming in Upper Air Temperatures over South-Eastern Europe
<b>P28</b>	<b>Ö. K. Mıhlıardıç, S. Kaya, S. Asilhan:</b> WRF–ARW Application of Medicane Development over Western Turkey
<b>P29</b>	<b>A. Keddad, A. Baaliouamer, M. Hazzit:</b> <b>B. Seasonal Variation Study of some Atmospheric Pollutants from Chenopodium Essential Oils</b>

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25 OCTOBER 2019- FRIDAY			
	Room A	Room B	Room C
Topic	Hydrology and Hydrometeorology (1)	Remote Sensing in Atmospheric Sciences (1)	Atmospheric Environment (1)
Chair	Hafzullah Aksoy	Gökhan Sever	Hüseyin Toros
09:00 - 09:15	F. Batıbeniz, M. Ashfaq, U. U. Turuncoğlu, B. Öno: Moisture Sources Driving Precipitation over the Mediterranean Basin	E. Kazinja, H. Demirel: A Tool To Automate The Process Of Flood Risk Areas Detection Due To Climate Change	P. Ertürk Arı, A. Arı, Y. Dumanoğlu, M. Odabaşı, E. Gaga: Population Cancer Risk Assessment of Polycyclic Aromatic Hydrocarbons (PAHs) in Size Segregated PM Samples Collected from a Thermal Power Plant Area
09:15 - 09:30	N. Jouma, F. Dadaşer Çelik: Predicting Hydrologic Response of Develi Basin to Climate Change using SWAT	M. Aldabash, F. Bektaş Balçık: Investigating the Relationship Between MODIS AOD and AERONET Data; A Case Study from Turkey	P. Ertürk Arı, A. Arı, R. P. F. Schins, E. Gaga: Investigation of Reactive Oxygen Species (ROS) Generation Potential of Trace Elements in Size Segregated PM Samples Collected from a Thermal Power Plant Area
09:30 – 09:45	Y. Çavuş, F. B. Demir, B. Önöz: Low Flow Analysis for Gediz Basin	A. Delen, S. Abdikan, F. Bektaş Balçık, F. Balık Sanlı, Ç. Göksel: Object Based Flooding Extent Mapping With Sentinel-2 Data	A. Arı, P. Ertürk Arı, E. Gaga: PM2.5 Bound Trace Elements in Eskişehir, Turkey: Source Specific Health Risk Assessment for Healthy Adults
09:45 – 10:00	Y. Çavuş, S. Orta, H. İ. Burgan, E. Eriş, H. Aksoy: Trend Analysis of Low Flows		M. Abbasnia, H. Toros: A Monthly Assessment of Human Bioclimatic Comfort Conditions in Istanbul
10:00 - 10:15	Coffee Break		



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25 OCTOBER 2019 - FRIDAY			
	Room A	Room B	Room C
<b>Topic</b>	<b>Hydrology and Hydrometeorology (2)</b>	<b>Remote Sensing in Atmospheric Sciences (2)</b>	<b>Atmospheric Environment (2)</b>
<b>Chair</b>	<b>İsmail Yücel</b>	<b>Anthony Lupo, Ali Deniz</b>	<b>Ceyhan Kahya</b>
<b>10:15 - 10:30</b>	<b>E. Turgu, A. Ü. Kömüşcü, Y. Z. Yavuz:</b> A Case Study: Using FFGS Products for Analysis of Flash Flood Occurred on 27 May 2018 in Kocaeli	<b>B. Bozkurt:</b> Examination of Wind Profiles with Doppler Weather Radar	<b>A. Baysal, G. Ş. Ustabaşı, N. Özbek:</b> Seasonal Distribution of Outdoor Microbial Activity of Istanbul-Turkey
<b>10:30 - 10:45</b>	<b>R. Aziz, İ. Yücel:</b> Nonstationarity Impacts on Extreme Daily Precipitation and Temperature in Turkey	<b>S. Kocaaslan Karamzadeh, B. Yüksel, N. Musaoğlu:</b> Multisource Satellite Data for Investigation of Drought Impacts in the Google Earth Engine Platform	<b>P. Saxena, A. Shukla, A. Srivastava:</b> Assessment of Black Carbon Profiles and On-Road Emission Factors at Busy Traffic Intersection Site of Capital City of India
<b>10:45 - 11:00</b>	<b>A. Poyraz, İ. Yücel:</b> Drought Analysis Using CORDEX Simulations over the Mediterranean Climate Regions of Turkey	<b>K. Öztürk, A. Çubuk:</b> Investigating Weather Radar Quantitative Estimations for a Record of Precipitation Event in Turkey	<b>Y. Açar, S. Yağan, O. Eskioğlu, M. Ekici, H. Gürkan, A. Ü. Kömüşcü, E. Turgu:</b> The Effect of Heat and Cold Air Waves Over Total Ozone in Ankara
<b>11:00 - 11:15</b>	<b>B. Selek, B. Önöz, M. U. Yılmaz, H. Aksu, A. F. Öztürk, M. S. Sarıkaya, S. Sezer:</b> Monthly Streamflow Estimation Model: Murat River Basin Application	<b>E. Krajny, L. Osrodka, M. Wojtylak:</b> Operational Use of Doppler Sodar Data to Improve the Short-Term of Air Quality Forecast	<b>Ş. Tilev:</b> A Climate Modeling Experiment: Impact of an Artificial Geographical Change
<b>11:15 - 11:30</b>	<b>Coffee Break</b>		

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25 OCTOBER 2019- FRIDAY			
	Room A	Room B	Room C
Topic	Atmospheric Boundary Layer	Weather Analysis, Prediction and Modeling	Renewable Energy
Chair	Deniz Demirhan	Ş. Sibel Menteş	Andrea N. Hahmann, Ahmet D. Şahin
11:30 - 11:45	<b>Y. Altan:</b> Effect of Stable Stratification of Atmospheric Boundary Layer on Urban Heat Island	<b>T. Karasu:</b> Numerical Prediction and Modelling of Internal Turbulent Flows with Recirculation	<b>C. Özen, V. Yavuz, E. T. Özdemir, A. Deniz:</b> Power Curve Verification of Wind Turbines by Using the Anemometer on the Nacelle
11:45 - 12:00	<b>E. Mobarak Hassan, P. Ghafarian, K. Varshosaz:</b> Simulation of the Low Level Jet's Role in the Formation of Local Dust in Ahvaz with Different Planetary Boundary Layer Schemes in WRF_Chem Model	<b>Y. Ezber, Ö. L. Şen:</b> Simulation of Heavy Fog in Istanbul using WRF Model	<b>G. Buğday, Ş. S. Menteş, H. S. Topçu, T. Kaytancı, Y. S. Ünal:</b> Analyzing of Sea Breezes Types on the South of Aegean Coast of Turkey
12:00 - 12:15	<b>K. Varshosaz, E. Mobarak Hassan:</b> Sensitivity of Dust Simulation using YSU and MYJ Scheme of WRF/Chem (case study)	<b>E. Toker, Y. Ezber, Ö. L. Şen:</b> WRF Simulation Performance of the 27 July 2017 Hail Event Over Istanbul	<b>Y. Kalay, F. Bingöl:</b> Global Wind Atlas Validation: A case study of Turkey
12:15 - 12:30	<b>D. Diren Üstün, E. E. Kibar, S. Topçu, Y. S. Ünal, Ş. S. Menteş:</b> Analysis of Heat Wave Episode on July 24-26, 2017 over the Southern Part of İstanbul	<b>G. Sever, J. Adie, S. Posey, C. Catlett:</b> Performance Evaluation of the Weather Research and Forecasting (WRF) Model on the DOE Summit Supercomputer	<b>M. Durak, A. D. Şahin:</b> Spatial Forecast of Production and Operation Variables from Wind Power Plants Using Multi-Semivariogram Method
12:30 – 14:00	<b>Lunch</b>		

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25 OCTOBER 2019 FRIDAY			
	Room A	Room B	Room C
<b>Topic</b>	<b>Water Resources and Management</b>	<b>Severe and Hazardous Weather (1)</b>	<b>Air Pollution and Modeling (1)</b>
<b>Chair</b>	<b>Ömer L. Şen</b>	<b>Anthony Lupo</b>	<b>Selahattin İncecik</b>
<b>14:00 - 14:15</b>	<b>L. Hachemi Rachedi, S. Bouslah, N. Benouara:</b> Water Resources Modeling in the Seybouse Basin - NE Algeria- By Weap21	<b>E. T. Özdemir, O. Kolay, V. Yavuz, C. Özen, Ö. Yetemen, A. Deniz:</b> Queensland Townsville Floods in Australia in Feb 2019	<b>İ. Omak, N. Öz, C. DüNDAR:</b> Inversion Estimation for Urban Air Pollution Risk
<b>14:15 - 14:30</b>	<b>İ. Öztürk, A. Tanık, A. Ertürk, A. Özabalı Sabuncugil, M. Kalfazade, G. Cüceloğlu:</b> Climate Change Impacts on Water Resources of Eastern Mediterranean Watershed of Turkey	<b>E. Odabaşı:</b> Flood Risk Analyses of Aegean Region by using HadGEM2-ES Climate Projections	<b>Y. Kara, T. Karakaya, G. Pirselimoglu, H. Toros:</b> Overall Evaluation of NO <sub>x</sub> , NO <sub>2</sub> Gasses in Turkey and Their Data Quality Control
<b>14:30 - 14:45</b>	<b>E. Güler, B. Önal:</b> Investigating Sudden Seasonal Snowmelt By Using WRF-ARW Simulation And Satellite Data in the Upper Eupherates Basin: March 2004 Case	<b>A. Ü. Kömüscü, K. Oğuz:</b> Analysis of Severe Weather Conditions Observed over Turkey During 2018-2019 Winter in Relation to Arctic Cold Advection	<b>E. Bilgiç, O. Gündüz:</b> Analysis of the Influence of Different Vertical Release Patterns on the Atmospheric Dispersion of Cs-137 Originating From a Nuclear Power Plant Accident
<b>14:45 - 15:00</b>	<b>S. Gülbaz, M. E. Karahasanoğlu, K. Javanshour:</b> Effects of Green Roofs on Surface Runoff by using Hydrological Model of Tavukçu Stream Watershed	<b>F. N. Özkan, Ş. S. Menteş, Y. Ezber:</b> Prediction of an Extreme Meso Scale Convective Events Occur in Antalya and Muğla Between 21th and 26th January 2019	<b>Z. F. Ünal, U. Dinç, C. Özen, H. Toros:</b> Air Pollution Forecasting for Ankara with Machine Learning Method
<b>15:00 - 15:15</b>	<b>M. Bakırcı, S. Gülbaz:</b> Calibrated Hydrological Model for Alibeyköy Watershed in Istanbul by Using WMS and HEC-HMS	<b>A. Sayın, M. Aksoy, B. Aydın, A. İ. Akbaş:</b> On the Black Sea and Middle East Flash Flood Guidance System	<b>C. Güçük, M. Bektaş, R. Çinicioğlu, E. Aras, Z. Domaç, M. Nazaroğlu, Z. Bingül, H. Toros:</b> Evaluation of PM10 Behaviour In the Iğdır
<b>15:15 - 15:30</b>	<b>Coffee Break</b>		

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25 OCTOBER 2019 - FRIDAY			
	Room A	Room B	Room C
Topic	Water Quality/Groundwater	Severe and Hazardous Weather (2)	Air Pollution and Modeling (2)
Chair	Kasım Koçak	Bariş Öno1	Güray Dođan
15:30 - 15:45	<b>H. Majour:</b> Influence of Climatic Conditions on the Chemistry of Waters in a Crystalline Basement	<b>M. Demirtaş:</b> The Northern Hemispheric Atmospheric Blocking: Two Dimensional Index Based on Potential Vorticity Approach	<b>D. Parliari, S. Kontos, A. Poupkou, S. Papadogiannaki, P. Tzoumaka, A. Kelessis, D. Melas:</b> Studying the effects of Urban Heat Island during hot days: the case of Thessaloniki, Greece
15:45 - 16:00	<b>Z. Ali:</b> Quality and Vulnerability of El Kef Plain Groundwater Resources Tunisia	<b>A. Lupo, B. Efe, İ. Sezen, A. Deniz:</b> Recent Changes in the Character of Blocking Over the Atlantic – Eurasian Sector including Turkey and the Impact on Climate	<b>A. Mutlu, Ö. M. Bayraktar:</b> Analysis of SO <sub>2</sub> Episodes in Balıkesir
16:00 - 16:15	<b>H. Majour:</b> Impact of Solid Waste from Siderurgical Complex on Water Resources: Case of the Municipality of Sidi Amar, Annaba (North East Algeria)	<b>B. Efe, A. Lupo, A. Deniz:</b> The Relationship Between Atmospheric Blocking and Extreme Winter Temperatures in Turkey	<b>A. M. Tepe, G. Dođan:</b> Effect of Rainfall on Desert Dust Transport to a City Located on Mediterranean Coast of Turkey
16:15 - 16:30	<b>S. Nassima, H. Majour, N. Bougherira:</b> State of Groundwater Resources in South Algeria: Case of Zelfana Region (Ghardaia-Algeria)	<b>Ö. K. Mihliardıç, Y. S. Ünal:</b> The Relation between Atmospheric Teleconnection Patterns and Precipitation Extremes over Europe	<b>S. Al Jaaf, O. Al Taai:</b> Effect of Methane Concentrations on Changing Ambient Air Temperature for Selected Stations in Iraq and Neighboring Countries
16:30 - 16:45	<b>S. Benrabah, B. Attoui, M. Honnouche:</b> Nutrient Enrichment and Eutrophication Risk of Kebir West River Water (North Eastern Algeria)	<b>O. H. Dođan, B. Öno1, U. U. Turunçođlu, A. Kahraman:</b> Heavy Precipitation Sensitivity to Sea Surface Temperature over the Eastern Blacksea Region: Ensemble Simulations of Hopa / Artvin Case	
19:00 - 22:00	<b>Symposium Dinner</b>		