

12 November 2019 Tuesday			
OPENING PROGRAM			
Time			
08:30	09:30	REGISTRATION	
09:30	10:30	OPENING & PROTOCOL SPEECHES <ul style="list-style-type: none"> <li>• Dilek KAHRAMAN</li> <li>• Prof. Dr. Yusuf Ersoy YILDIRIM</li> <li>• Dr. Bülent SÖNMEZ</li> <li>• Mustafa ÖZKAYNAK</li> </ul>	Director of UTAEM ESOGU, Dean, Faculty of Agriculture TAGEM Head of Soil and Water Resources Department Governor of Menemen
10:30	10:50	The Changing World of Agriculture	Dr. Anna OSANN
10:50	11:10	Agronomic and Enviromental Features of Biochar	Prof. Dr. Ayten NAMLI
11:10	11:30	Fertility of Soil in Turkey	Prof. Dr. Sait GEZGİN
11:30	11:50	Determination of Irrigation Depths using WASH_2D and Weather Forecast	Prof. Dr. Haruyuki F FUJIMAKI
11:50	12:05	Gübretaş	
12:05	12:15	UPL	
12:15	12:25	TKİ	
12:25	12:35	Metos	
12:35	12:45	Paksoy	
12:45	12:55	BASUSAD	
13:00 - 14:00		LUNCH	

**SOIL & PLANT NUTRITION**

**12 November 2019 Tuesday**

Topic	Time			
<b>13:00 - 14:00 LUNCH</b>				
<b>I. SESSION Land Use &amp; Management Moderator: Ayten NAMLI</b>	14:00	14:15	Change of Soil Properties in an Ameliorated Pasture in A Long-Term Period	Serkan İç, Ayşe Erel, Coşkun Gülser
	14:15	14:30	Assessment of Land Suitability for the Production of Major Crops in Ayrancı District of Karaman Province Located at Arid Terrestrial Ecosystem	Güntülü Kurşun, Orhan Dengiz
	14:30	14:45	Soil Loss due to Sugar Beet Harvesting in Turkey	Koç Mehmet Tuğrul
	14:45	15:00	Assessing the soil quality index as affected by two land use scenarios in Miandoab region	Ali Asghar Jafarzadeh, Nastaran Pouladi, Farzin Shahbazi, Mohammad Ali Ghorbani, Mogens Humlekrog Greve
	15:00	15:15	An Innovative Approach for Water and Soil Resources Protection in Spatial Planning: Landscape Character Based Agroecological Zonning - "LC-based AEZ"	Şükran Şahin
	15:15	15:30	A New Risk-Based Model in Watershed Management Processes: Ecological Risk Characterization	Şevki DANACIOĞLU, Şermin TAĞIL
	15:30	15:45	The Importance and Mapping of Folk Soil Knowledge in Land Planing	Şermin TAĞIL, Şevki DANACIOĞLU
<b>15:45 – 16:00 COFFEE BREAK</b>				
<b>II. SESSION Soil Surveying&amp;Mapping-Soil Biology&amp;Biochemistry Moderator: Şükran ŞAHİN</b>	16:00	16:15	Impacts of Pomegranate Juice Waste Compost on the Chemical and Biochemical Characteristics of Soil	Ayten Namlı, Muhittin Onur Akça, Esra Kutlu Sezer
	16:15	16:30	Interpreting Physiographic Components by Using Digital Air Photos and Manufacturing Soil Series Maps, Kırşehir-Mucur Sample	Samet Başeğmez, Yusuf Kurucu
	16:30	16:45	Investigation of The Possibilities of Using NIRS Reflection Technique and Mapping Soil Series	Yavuz Şahin Turgut, Suat Şenol
	16:45	17:00	Effects of Tea Trash Biochar Applied to Different Periods on Soil Enzyme Activities and Development of Safflower Plant	Esra Kutlu Sezer, Duygu Bozdoğan, Çağlar Özkan Sezer, Ayten Namlı, Oğuz Can Turgay
	17:00	17.15	Effects of Cover Crop Mixtures on Arbuscular Mycorrhizal Colonization of Cotton	Gökhan Uçar, Yucheng Feng, Kipling Balkcom

**SOIL & PLANT NUTRITION**

**13 November 2019 Wednesday**

Topic	Time			
<b>I. SESSION</b> <b>Soil Pollution &amp; Quality</b> <b>Moderator: Sait GEZGIN</b>	09:00	09:15	Soil Quality Indicators and their Impact on Crops Safety	Nataliia Silonova
	09:15	09:30	Efficiency of Humic Acid Extracted from Different Sources for Reduction of Hexavalent Chromium	Parisa Moradkhani, Shahin Oustan, Adel Reyhanitabar, Leila Alidokht
	09:30	09:45	Salt Tolerant Wheat – A Requirement of Arid Regions of the World	Erdogan Esref Hakki, Mohd. Kamran Khan, Anamika Pandey, Mehmet Hamurcu, Sait Gezgin, Ali Topal, Hatice Suslu, Makbule Rumeysa Omay, Kamer Gulcan, Merve Inanc, Pamela Aracena Santos, Noyan Eken, Nermin Bilgicli, Selman Turker, Ahmet Tamkoc
	09:45	10:00	Determination of Potential Ecological Risk Index based on Heavy Metal Elements for Organic Farming in Micro Catchments of Ordu Province	Nalan Kars, Orhan Dengiz
	10:00	10:15	Determination of Heavy Metal Risk and Enrichment Factor in Some Micro Catchments Used for Tea Cultivation	Betül Bayraklı, Emel Kesim, Orhan Dengiz
	10:15	10:30	Investigation of the Effects on Heavy Metals (chromium and manganese) in Soil of Mining Activities: Case of Orhaneli and Büyükorhan (Bursa)	Serpil Menteşe, Olgun Böbrek
	10:30	10:45	Determination of the Effects of Rhizobacteria Containing ACC Deaminase on the Growth of Wheat Grown Under Salt Stress Conditions	Özgür Ateş, Merih Kıvanç
<b>10:45 – 11:00 COFFEE BREAK</b>				
<b>II. SESSION</b> <b>Plant Nutrition&amp;Soil Fertility</b> <b>Moderator: Kadriye KALINBACAK</b>	11:00	11:15	Mycorrhizal Inoculation Affects Grain and Protein Yield of Bread Wheat Genotypes with Different P-uptake Efficiencies	Pamela Aracena Santos, Erdoğan Eşref Hakki, Emel Atmaca, Ummahan Çetin Karaca, Mohd Kamran Khan, Yasin Kaya, Rifat Zafer Arisoy, Anamika Pandey, Mehmet Hamurcu, Ali Topal, Kamer Gülcan, Sait Gezgin
	11:15	11:30	The Effect of Different Biochar Doses and Mycorrhizae Application on Corn Root Morphological Properties	Şeyma Karadere, Mehmet Işık, Waleed Khalid Ahmed Ahmed, İbrahim Ortaş
	11:30	11:45	Effect of Different Nitrogen Doses and Mycorrhiza Vaccination on Alfalfa Carbon and Nitrogen Fixation	Hatice Alıcı, Mehmet Işık, İbrahim Ortaş
	11:45	12:00	Effects of Liquid Earthworm Fertilizer Applications on The Yield of Barley Cultivars	Mehmet Hamurcu, Fatma Gökmen Yılmaz, İsmail Kaya, Zuhale Zeynep Avşaroğlu, Canan Üstün, Ayşe Hümeysra Omay
	12:00	12:15	The Effects of Organic and Inorganic Fertilizer Applications on Buckwheat Root Development	Umur Çürük, Mehmet Işık, Elif Ferahoğlu, Saliha Kırıcı, İbrahim Ortaş
	12:15	12:30	Determining the Adequate Limit Values of Manganese Which is Useful to Plants in Calcareous Soils Containing Basic Reaction and Low Organic Matter	Fatma Gökmen Yılmaz, Sait Gezgin, Nesim Dursun
<b>12:30 – 13:30 LUNCH</b>				

**SOIL & PLANT NUTRITION**

**13 November 2019 Wednesday**

Topic	Time			
<b>III. SESSION</b> <b>Plant Nutrition &amp; Soil Fertility</b> <b>Moderator: Ali Riza ONGUN</b>	13:30	13:45	The Effect of Calcium and Boron Applications from Leaf and Soil on Fruit Set and Shoot Development	Handan Ataol Ölmez, Naciye Alper, İstihar Çiçek, Özgür Dursun, Nuray Körükmez
	13:45	14:00	Effect of Bat Manure on Bulk Density (Volume Weight) and Porosity	Kevser Karagöz, Abdurrahman Hanay
	14:00	14:15	The Effect of Leaf Applications "Bionutrients Soluble" on Yield and Some Yield Components of Wheat at Different Development Periods	Hayati Aslan, Hatun Barut, Sait Aykanat, Sami Toğan, Enis G. Hekimoğlu
	14:15	14:30	In the Overall Evaluation of Fertilization Trials by Regression Analysis Method	Yusuf Işık
	14:30	14:45	Evaluation of the Effects of "AVAIL" Usage as Basic Fertilization Fertilizer on Some Yield and Quality Criteria in Bread Wheat	Hayati Aslan, Hatun Barut, Sait Aykanat, Sami Toğan, Enis G. Hekimoğlu
14:45 – 15:00		<b>COFFEE BREAK</b>		
<b>IV. SESSION</b> <b>Plant Nutrition &amp; Soil Fertility</b> <b>Moderator: Yusuf IŞIK</b>	15:00	15:15	Fertility Status and Potential Nutrition Problems of Soil Orchards in Bilecik Province	Kadriye Taşpınar, Gülser Yalçın, Özgür Ateş, Fatih Kızılaslan, Melis Özge Pınar, Volkan Alveroğlu, Serdar Toprak
	15:15	15:30	Effect of Nitrogen Fertilization on Peach Yield in Aegean Region	Kürşat Üner, Mehmet Gündüz, Ülfet Erdal
	15:30	15:45	Evaluation of the Effects of Nutrisphere-N as a Top Fertilizer on Some Yield and Quality Criteria in Bread Wheat	Hayati Aslan, Hatun Barut, Sait Aykanat, Sami Toğan, Enis G. Hekimoğlu
	15:45	16:00	The Effect of Different Nitrogen Applications by Injection Method on Grain and Biomass Yield and Some Plant Parameters of Wheat	Hesna Pamiralan, Mustafa Gök
	16:00	16:15	Effect of Nitrogen Fertilization on Oil Content of Sunflower	Mehmet Ali Gürbüz, Tuğçe Ayşe Öz, Turhan Kahraman
	16:15	16:30	The Effect of Nitrogen Fertilization by Fertigation Method on Cotton Yields Components in Harran Plain Conditions	Nesibe Devrim Almaca, Abdullah Suat Nacar, Müslüm Coşkun, Cemil Yetkin
16:30 – 16:45		<b>COFFEE BREAK</b>		
<b>V. SESSION</b> <b>Plant Nutrition &amp; Soil Fertility</b> <b>Moderator: Bihter ÇOLAK ESETLİLİ</b>	16:45	17:00	Commercial Wheat Fertilization Based on Nitrogen Nutrition Index	Carmen Plaza, Anna Osann, María Calera, Alfonso Calera, Isidro Campos, Jaime Campoy, Vicente Bodas
	17:00	17:15	Spatial Nitrogen Management Using Sensor-Based Precision Technologies: The FATIMA Experience and Beyond	S. Stamatiadis, J. S. Schepers
	17:15	17:30	Estimation and Mapping of Clay and Organic Matter in Soil Based on Field Radiometry and Sentinel-2	Elena Pareja, Jose Gonzales Piqueras
	17:30	17:45	Effect of Nitrogen Applied by Fertigation Method on Vitamin C Level of Paste Pepper	Nuri Candan, Kürşat Üner, Mehmet Gündüz, Vural Karagül, Neslihan Uzun, Oğuz Fehmi Şen, Dursun Eşiyok
	17:45	18:00	Determination of the Relationship Between Nitrogen Uptake, Yield and Quality Characteristics of Different Nitrogen Forms in Soil of Wheat Grown in Dry Conditions	Ayşegül Korkmaz, Nazlı Can Sağlık, Yağmur Kaya, Duygu Akçay Kulluk, Ahmet Rüştü Torun, Fatma Gökmen Yılmaz, Yusuf Işık, Mustafa Harmankaya, Sait Gezin
	18:00	18:15	Comparison of Soil and Plant Analysis Methods Cost	Murat Tutam, Mehmet Eşref İrget

**SOIL & PLANT NUTRITION**

**14 November 2019 Thursday**

Topic	Time			
<b>I. SESSION</b> <b>Plant Nutrition &amp; Soil Fertility</b> <b>Moderator: Nuri ARI</b>	09:15	09:30	Determination of the Relationship Between Nitrogen Uptake and Different Nitrogen Forms of Bread Wheat Grown Under Irrigated Conditions in Konya Region	Nazlı Can Sağlık, Yağmur Kaya, Ayşegül Korkmaz, Duygu Akçay Kulluk, Ahmet Rüştü Torun, Nesim Dursun, Fatma Gökmen Yılmaz, Yusuf Işık, Sait Gezgin
	09:30	09:45	Utility of SPAD-502 Chlorophyll Meter for Determination of Iron and Chlorophyll Content of Vine Leaf	Ali Rıza Ongun, Gözde Fakioğlu
	09:45	10:00	Determining and Mapping the Fertility and Microelement Scopes of the Agricultural Soils of İzmir Province via Inverted Distance Weighted Method	Nejat Özden, İdris Uslu, Ömer Sökmen, Faruk Metinoğlu
	10:00	10:15	Effect of Different Potassium Fertilizer on Leaf Plant Nutrients of Cabernet Sauvignon Wine Grape	Bihter Çolak Esetlili, Özen Merken, Tülin Pekcan, Ali Güler, Selçuk Karabat, Akay Ünal, Dilek Anaç, Nevin Eryüce
	10:15	10:30	Under Long Term Field Condition to Evaluate the Effects of Different Phosphorus Doses on Agronomic Efficiency of Maize Plant	Mehmet Işık, Feyzullah Öztürk, Şeyma Karadere, İbrahim Ortaş
	10:30	10:45	Long-term evaluation of cropping systems sustainability under climate change scenarios: the EU FATIMA Project Italian case-study	Rosario Napoli, Claudia Di Bene, Chiara Piccini, Silvia Vanino, Roberta Farina
	10:45	11:00	Evaluation of environmental and economic sustainability of different nutrient management strategies	Pasquale Nino, Stefano Fabiani, Rosario Napoli, Silvia Vanino
11:00-11:15		<b>COFFEE BREAK</b>		
<b>II. SESSION</b> <b>Plant Nutrition &amp; Soil Fertility</b> <b>Moderator: Nejat ÖZDEN</b>	11:15	11:30	Effect of Active Carbonate on Available Micro Nutrients in Soils	Ali Rıza Ongun, Mahmut Tepecik, Mehmet Döner
	11:30	11:45	Changes of Cr and Co contents of some plants in Manisa Turgutlu Çaldağ region according to seasons	Mahmut Tepecik, Ali Rıza Ongun, İhsan Bülent Okur
	11:45	12:00	Effects of Different Iron Sources on Apple Yield	Ayşegül Korkmaz, Mustafa Harmankaya, Sait Gezgin, Fatma Gökmen Yılmaz
	12:00	12:15	Determination of Nutritional Status of Olives (Olea europaea L.) Grown in Mugla Province in Terms of Boron and Other Elements, Leaf and Soil Relations	Aişe Deliboran, Kerem Savran, Özgür Dursun, Önder Eralp, Tülin Pekcan, Hatice Sevim Turan, Erol Aydoğdu, İdris Çılgın, Handan Ataol Ölmez, Şule Savran, Ferište Öztürk Güngör, Ayşen Yıldırım, Abdullah Suat Nacar
	12:15	12:30	Puccinellia distans may provide a Roadmap to Boron and Salt Toxicity Tolerance in Plants	Anamika Pandey, Mohd. Kamran Khan, Erdogan Esref Hakki, Mehmet Hamurcu, Ozge Celik, Emel Atmaca, Sait Gezgin, Merve Inanc, Zeynep Z. Avsaraoglu, Tamer Gumus, Muhammad Sameeullah, Cagatay Tarhan, Ozgur Cakir
	12:30	12:45	The Effect of Different Boron Application Methods on Yield Quality and Plant Nutrient Status of Tomato	Cevdet Fehmi Özkan, Nuri Arı, Elif Işıl Demirtaş, Filiz Öktüren Asri, Dilek Güven
	12:45	13:00	Variation and Comparison of Boron Contents for Soils Of Çarşamba Delta Plain and Upland in Samsun Province	Elif Öztürk, Orhan Dengiz
12:30 – 13:30		<b>LUNCH</b>		
14:00 – 15:00		<b>CLOSING CEREMONY</b>		

<b>AGRICULTURAL IRRIGATION</b>				
<b>12 November 2019 Tuesday</b>				
<b>Topic</b>	<b>Time</b>			
<b>13:00 - 14:00</b>			<b>LUNCH</b>	
<b>I. SESSION</b> <b>Water Management in Agriculture</b> <b>Moderator: Sema KALE ÇELİK</b>	14:00	14:15	Association the Agricultural Irrigation Policies with Development Plans	Şule Küçükcoşkun
	14:15	14:30	Preparation of Water Distribution Programs and Application Examples in Irrigation Management	Filiz Bulut
	14:30	14:45	The Developments of Irrigation Water Distribution Systems and Comparative Assessment of Water Distribution Performance in Turkey	Aynur Fayrap, Sevinç Biberoglu, Mehmet Uğur Yıldırım
	14:45	15:00	Importance of Sustainability and Water Productivity on Agricultural Irrigation Management	Öner Çetin
	15:00	15:15	Climate Change and an Update of the Irrigation Water Consumption Standards in Bulgaria	Milena Moteva
<b>15:15 – 15:45</b>			<b>COFFEE BREAK</b>	
<b>II. SESSION</b> <b>Water Management in Agriculture</b> <b>Moderator: Öner ÇETİN</b>	15:45	16:00	Fairly Distribution of Agricultural Water under Water Shortages Scenarios	S. M. Hashemy Shahdany
	16:00	16:15	Complexity Management of Large Irrigation Canal Management under the Drought Condition by Using Economic Strategies	S. M. Hashemy Shahdany
	16:15	16:30	Virtual Water Exchange and Cropping Pattern Optimization Model for Agricultural Water Management	Ali Mohammadi, Mirmohammad Azadkhorasani, Mohammad Ebrahim Banihabib
	16:30	16:45	Irrigation Results and Basic Performance Indicators in Irrigation Cooperatives in Konya and Afyon	Ali Çağlar Çelikcan, Cenk Akşit, Serkan Işık, Yusuf Ersoy Yıldırım
<b>16:45–17:00</b>			<b>COFFEE BREAK</b>	
<b>III. SESSION</b> <b>Water Management in Agriculture</b> <b>Moderator: İsmail TAŞ</b>	17:00	17:15	Systems related to Monitoring of Soil Plant Atmosphere Water Relationships	Eyüp Selim Köksal, Emre Tunca, Sakine Çetin
	17:15	17:30	Calibrating the Crop Coefficient Equation for a Plot in Aegean Region of Turkey	Mert Can Günaçtı, Cem Polat Çetinkaya, Ali Gül, Funda Kidoğlu, Dilek Kahraman
	17:30	17:45	Determination of Technical Performance of Drip Irrigation Systems Used in Şanlıurfa	Akın Ün, Veli Değirmenci, Mehmet Sami Nacar, Meral Anlağan Taş, Abdullah Suat Nacar, Abdullah Şakak
	17:45	18:00	Evaluation of Thornthwaite Equation for Estimating Evapotranspiration in Samsun Province in Northern Turkey	Bilal Cemek, Demet Yıldırım



AGRICULTURAL IRRIGATION

13 November 2019 Wednesday

Topic	Time			
<b>I. SESSION</b> <b>Water Management in Agriculture</b> <b>Moderator: Eyüp Selim KÖKSAL</b>	09:00	09:15	The Relationships of Water-Yield on Silage Corn Irrigated with Center Pivot Irrigation System	Süleyman Kodal, Yavuz F. Fidantemiz, H. Yavuz Emeklier, Hasan S. Öztürk, İsmail Taş, Suat Akgül
	09:15	09:30	The Effects of Water and Nitrogen Doses on Sugar Properties and Refined Sugar Yield in Sugar Beet Irrigated with Linear Move Sprinkler Irrigation Systems	Ayşegül Boyacıoğlu, Yusuf Ersoy Yıldırım, Koç Mehmet Tuğrul, Ufuk Türker
	09:30	09:45	Determination of Yield and Quality Characteristics of Silage Maize (Zea mays L.) Irrigated by Drip Irrigation in Eskisehir Conditions	Demet Uygan, Yavuz Fatih Fidantemiz
	09:45	10:00	The Effect of Different Irrigation Levels and Different Tillage and Sowing Method on Water-Yield Relationships in Second Crop Soybean	Engin Gönen, Orhan Kara, Çağatay Tanrıverdi, Mete Özfidaner,
	10:00	10:15	Importance of Irrigation Methods on Cotton Irrigation in Southeastern Anatolia Region of Turkey	Meral Anlağan Taş, Öner Çetin, A. Suat Nacar, Veli Değirmenci
	10:15	10:30	Water Consumption Modeling of the Cherry Crops For Turkey	Kadir Aytaç Özaydın, Süleyman Kodal, Aysun Gökdağ, Kevser Karagöz Sezer, Özlem Yıldız
	10:30	10:45	Water Consumption Modeling Of The Bean Crops For Turkey	Kadir Aytaç Özaydın, Süleyman Kodal, Kevser Karagöz Sezer, Aysun Gökdağ, Özlem Yıldız
10:45 - 11:00			<b>COFFEE BREAK</b>	
<b>II. SESSION</b> <b>Water Constraint&amp;Effects on Agricultural Production</b> <b>Moderator: Bilal CEMEK</b>	11:00	11:15	The Effects of Different Irrigation Treatments on Chlorophyll Content and Leaf Area Index of Second Crop Maize	Şener Özçelik, Sinan Aras, Şuayip Yüzbaşı, Erhan Akkuzu, Gülay Pamuk Mengü
	11:15	11:30	A Research On The Determination Of Water-Yield Relationship In Processing Tomato Plants	Umut Suzan, Mehmet Ali Ul, Hatice Gürgülü, İbrahim Duman
	11:30	11:45	The Effects of Different Irrigation Water Levels on Yield And Quality of Ginger (Zingiber officinale)	Köksal Aydınşakir, Fatma Uysal Bayar, Nazmi Dinç, Orçun Çınar, Ayşe Serpil Kaya
	11:45	12:00	The Effect of Different Irrigation Levels on Yield, Number of Capsules and Thousand Grain Weight in Sesame Cultivation	Ömer Özbek, Nazmi Dinç, Köksal Aydınşakir, Elif Işıl Demirtaş, Cevdet Fehmi Özkan, Mehmet Kocatürk, Kadriye Yüksel
	12:00	12:15	Determination of Recharge in Karst Formations Using APLIS Model and TOPSIS	Saman Javadi
	12:15	12:30	The Impact of Deficit Irrigation on Wheat and Maize Performance in Bilasuvar plain, NW of Iran	Elnaz Aliabadi
12:30 – 13:30			<b>LUNCH</b>	

AGRICULTURAL IRRIGATION				
13 November 2019 Wednesday				
Topic	Time			
<b>III. SESSION</b> <b>Water Constraint&amp;Effects on Agricultural Production</b> <b>Moderator: Köksal AYDINŞAKIR</b>	13:30	13:45	Evaluation of Maize Grain Yield Affected by G×E×M interactions (Case study: Pakdasht area in Iran)	Mayam Rahimi Jahangirlou, Gholam Abbas Akbari, Iraj Allahdadi, Saeed Soufizadeh, David Parsons
	13:45	14:00	Comparison of Plant Transpiration and Soil Evaporation Rate Separated by Isotopic Methods and FAO-AquaCrop Model	Sema Kale Çelik
	14:00	14:15	Determination and Prioritization of Sustainable Water Management Strategies in Arid regions	Mohammad Ebrahim Banihabib, Arash Noori, Nargis Mirzaie
	14:15	14:30	Contribution of High Water Table to Cotton Water Consumption in the Inner Parts of Menemen Plain	Mehmet Gündüz, Perihan Tarı Akap, Nil Korkmaz, Şener Özçelik, Şerafettin Aşık
14:30 – 14:45		<b>COFFEE BREAK</b>		
<b>IV. SESSION</b> <b>Use of Waste Water in Agriculture</b> <b>Moderator: Şerafettin AŞIK</b>	14:45	15:00	Biological Risks of Waste Water in Terms of Irrigation Water	Fatma Özkay, İsmail Taş, Hakan Özkandan, Aysel Çağlan Günel
	15:00	15:15	Evaluating Discharge Water of Menemen Biological Wastewater Treatment Plant in Terms of Quality Criteria	Perihan Tarı Akap, Mehmet Gündüz, Sinan Aras, Şuayip Yüzbaşı, Şerafettin Aşık
	15:15	15:30	Heavy Metal Accumulation with Makro and Mikro Elements in Maize On Waste Water	Şerife Çay, Rıza Kanber
	15:30	15:45	Effects of Olive Mill Waste Water (OMWW) Application on Plant and Soil: A Review	Şule Savran, Muzaffer Kerem Savran, Aişe Deliboran
	15:45	16:00	Examining the Use of Scrap Tires as An Envelope Material in Subsurface Drainage Systems	Gökçe Büyükçekiç Küfüdür, Dursun Büyüktaş, Cihan Karaca, Ruhi Baştuğ
	16:00	16:15	Determination of Soil Hydraulic Conductivity Rating (Doğankent Case)	Volkan Çatalkaya, Nigar Angın
	16:15	16:30	Integration of In-Farm Development Services and Reclamation Studies with Land Consolidation in Turkey	Fatma Tüz, Zehra Gülsever, Sinan Demirbaş



<b>AGRICULTURAL IRRIGATION</b>				
<b>14 November 2019 Thursday</b>				
<b>Topic</b>	<b>Time</b>			
<b>I. SESSION</b> <b>Subsurface Drip Irrigation</b> <b>Moderator: Şule KÜÇÜKCOŞKUN</b>	09:15	09:30	Deep Percolation Evaluations in Subsurface Drip Irrigation	Süleyman Kodal, Yusuf Ersoy Yıldırım, Gonca Karaca Bilgen, Cenk Akşit
	09:30	09:45	The Effects Of Different Irrigation Application With Subsurface Drip Irrigation On Cotton Yield	Süleyman Şen, Mehmet Gündüz, Şuayip Yüzbaşı
	09:45	10:00	Water and Irrigation Water Use Efficiency Of Sugar Beet Irrigated With Subsurface Drip Irrigation System	Ceren Görgişen, Tuğba Yeter, Gonca Karaca Bilgen, Pınar Bahçeci Alsan, Kadri Avağ, Ayşegül Boyacıoğlu, Yusuf Ersoy Yıldırım
	10:00	10:15	The Effect of Different Irrigation Water Levels Applied with Sub-Surface Drip Irrigation on Yield and Some Morphological Properties of Alfalfa	Tuğba Yeter, Y. Ersoy Yıldırım
	10:15	10:30	Influence of the H <sub>2</sub> FIO Wetting Agent to the Soil Hydrophysical and Chemical Properties in the Drip Irrigated Field	Cansu Almaz, Recep Serdar Kara, Markéta Miháliková, Svatopluk Matula, Renata Duffková, Petr Fučík, Maite Sanchez Revuelta
10:30-10:45		<b>COFFEE BREAK</b>		
<b>II. SESSION</b> <b>WASH_2D Model Applications</b> <b>Moderator: Yusuf Ersoy YILDIRIM</b>	10:45	12:00	WASH_2D Model	Dr. Haruyuki Fujimaki
	12:00	12:15	Simulation of Water Harvesting with a Sand Ditch Using WASH_2D	Dr. Haruyuki Fujimaki, Majed Abu-Zreig
	12:15	12:30	Prediction and Control of Salt Accumulation in the Upper Root Zone Under Sub-Surface Drip Irrigation	Dr. Haruyuki Fujimaki, Takahisa Amano
	12:30	13:00	WASH_2D Model Practical Applications	Dr. Haruyuki Fujimaki
13:00 – 14:00		<b>LUNCH</b>		
14:00 – 15:00		<b>CLOSING CEREMONY</b>		

CLIMATE CHANGE AND AGRICULTURAL ECOLOGY				
13 November 2019 Wednesday				
Topic	Time			
<b>I. SESSION</b> <b>Effects of Climate Change on Agriculture, Adaptation &amp; Mitigation</b> <b>Moderator: Fatih BAKANOĞULLARI</b>	09:00	09:15	Climate Change Negotiations and Agriculture Process	İnci Tekeli
	09:15	09:30	Assessment of Climate Change in Thrace Region Using Trend Analysis	Cantekin Kıvrak, Fatih Bakanoğulları, Mehmet Gür, Erdem Bahar
	09:30	09:45	Forecast of Monthly Mean, Maximum and Minimum Temperature by Time Series and Soft Computing Techniques	Bilal Cemek, Demet Yıldırım
	09:45	10:00	Determination of Agronomic Water Use Efficiency in Three Different Cotton Areas in Turkey in 2016	Özgül Gürce, Mustafa Özgür Tatar
	10:00	10:15	Impact of Climate Change and Adaptation of Climate Change in Agriculture	Melike Bahçeci, Sait Engindeniz
	10:15	10:30	Climate Change Impacts on Crop Evapotranspiration and Irrigation Water Requirement in Izmir	Emrah ÖZÇAKAL
10:30 - 10:45 <b>COFFEE BREAK</b>				
<b>II. SESSION</b> <b>Climate Change and Innovative Approaches in Agriculture - Agricultural Meteorology and Drought</b> <b>Moderator: İnci TEKELİ</b>	10:45	11:00	Estimation of Possible Effects of Using Different Irrigation Levels on Future Periods Crop Productivity	Hüdaverdi Gürkan, Nilgün Bayraktar, Nebi Yeşilekin, Yusuf Ersoy Yıldırım, Gerrit Hoogenboom, Arzu Gündüz
	11:00	11:15	The Effects of Global Climate Changes on The Flowering Time of Important Quince Varieties Over A Twenty Year Period	Müge Şahin, Salih Gökkür, Necla Ercan
	11:15	11:30	According to Phenological Periods the Effect of Climatic Variability on Olive Trunk Diameter Variation	Merve Etöz, Gülay Yılmaz, Ömer Sökmen, Gözen Yüceerim
	11:30	11:45	Estimation of Soil Moisture Content of Sunflower Cultivation Areas in Thrace Region by Water Budget Method	Erdem Bahar, Emel Kayalı, Selçuk Özer
	11:45	12:00	Hydrologic Drought Period of Konya Closed Basin in The Future	İsmail Taş, Yusuf Ersoy Yıldırım
	12:00	12:15	Possibility of Agricultural Drought Period for Konya Closed Basin Based on HadGEM2 Global Climate Model	İsmail Taş, Yusuf Ersoy Yıldırım
	12:15	12:30	Drought Analysis with Standard Precipitation Evapotranspiration Index in Büyük Menderes Basin	Şener Özçelik, Gülay Pamuk Mengü, Erhan Akkuzu
12:30 – 13:30 <b>LUNCH</b>				

**CLIMATE CHANGE AND AGRICULTURAL ECOLOGY**

**13 November 2019 Wednesday**

Topic	Time			
<b>III. SESSION</b> <b>Agricultural Meteorology &amp; Drought</b> <b>Moderator: Gülşay YILMAZ</b>	13:30	13:45	The Effect of Different Cover Materials On the Yield and Soil Moisture with Applying Negarim Type Micro-Catchment Water Harvesting Technique into Pistachio Orchards	Abdullah Suat Nacar, Elif Didem Güllü Sakin, Meral Taş, Veli Değirmenci, Saddam Kalkan, Akın Ün
	13:45	14:00	Evaluation of Temporal Changes of Evaporative Stress Index Values in Konya Basin	Çağlar Özkan Sezer, Arman Karimi Monshizadeh, Yusuf Ersoy Yıldırım, İsmail Aras
	14:00	14:15	Trend Analysis of Meteorological Parameters in Çukurova Region	Nigar Anğın, Volkan Çatalkaya, Mete Özfidaner
	14:15	14:30	Determination of Average Temperatures of Antalya and Alanya Stations by Şen Method	Mete Özfidaner, Duygu Şapolyo Uçan, Fatih Topaloğlu
	14:30	14:45	Estimate of Reduction Yields Maize and Soy-Bean in Drought Years in the River Drava Basin in Croatia	Ivan Šimunić, Tanja Likso, Palma Orlović-Leko

**14:45 – 15:00**

**COFFEE BREAK**

<b>IV. SESSION</b> <b>Erosion, Land Degradation &amp; Desertification</b> <b>Moderator: Oğuz DEMİRKİRAN</b>	15:00	15:15	Estimation of Sediment Yield Based on Field Measurements and MUSLE Model in Kocadere Watershed	Gülşay Yılmaz, Lutfullah Aruğaslan, Gözen Yüceerim
	15:15	15:30	Determination of Suspended Sediment Movement Caused by Melted Snow	Oğuz Demirkıran, Yakup Köşker, İlknur Cebeci, Hicrettin Cebel, Oğuz Başkan, Mustafa Özkaya
	15:30	15:45	Investigation of Changes in Crop Pattern in Manisa Akselendi Plain under the Effect of Wind Erosion	Kezban Şahin Taysun, Alaettin Taysun
	15:45	16:00	Monitoring Temporal Changes in Land Use/ Land Cover in Manisa Akselendi Plain using Remote Sensing and Geographic Information System	Kezban Şahin Taysun, Alaettin Taysun
	16:00	16:15	Formation of Sand Dunes, Lakes and Wetlands in Upper Kumçay Plain and Its Current Status	Alaettin Taysun, Kezban Şahin Taysun

**14 November 2019 Thursday**

**14:00 – 15:00**

**CLOSING CEREMONY**

**AGRICULTURAL MACHINERY and INFORMATION TECHNOLOGIES & AGRICULTURAL ECONOMICS**

**12 November 2019 Tuesday**

Topic	Time			
<b>I. SESSION</b> <b>Precision Agricultural Technologies - Information Systems in Agriculture</b> <b>Moderator: Zinnur GÖZÜBÜYÜK</b>	14:00	14:15	Wheat Simulation Using Aqua Crop Model in Precision Agriculture	N.Dercas, N.Dalezios, E.Evangelou, S.Stamatiadis, A.Glambidakis, G.Madonakis, N.Tserlikakis
	14:15	14:30	The Development of a Low Cost UAV-Based Image Acquisition System and the Procedure for Capturing Data in Precision Agriculture	Arif Behiç Tekin, Marco Fornale
	14:30	14:45	Comparison of Unmanned Air Vehicle and Sentinel 2 Images for Sunflower Plants	Emre Tunca, Eyüp Selim Köksal, Sakine Çetin
	14:45	15:00	Application of Modern Data Science Techniques in Determination of Ideal Parcel Size and Number in Land Consolidation Projects	Önder Karagöz, İbrahim Burak Yeşiloğlu, Gülhan Çetin Sönmez, Mehmet Niyazi Yazar
	15:00	15:15	Estimation of Leaf Chlorophyll Content in Eggplant by Soft Computing Techniques	Bilal Cemek, Aslıhan Cantürk, Mehmet Taşan, Sevda Taşan
	15:15	15:30	Monitoring Pollen Count Using Satellite Observations in East Coast of the United States	Murat Çağatay Keçeci, Xiaoyang Zhang
15:30 – 15:45 <b>COFFEE BREAK</b>				
<b>II. SESSION</b> <b>Use of Renewable Energy Resources in Agriculture</b> <b>Moderator: Arif Behiç TEKN</b>	15:45	16:00	Program R in Soil and Water Resources Protection	Milena Lakicevic
	16:00	16:15	The Effect of Some Parameters on the Use of Photovoltaics in the Internal Mechanization in Agricultural Holdings	M. Emin Bilgili
	16:15	16:30	Determination Change Residues Bioenergy Potential of Commonly Cultivated Products in Turkey	Mahmut Polat
	16:30	16:45	Determination of Energy Use Efficiency in Peach Farming (P. Persica)	Servet Sami İpek

**AGRICULTURAL MACHINERY and INFORMATION TECHNOLOGIES & AGRICULTURAL ECONOMICS**

**13 November 2019 Wednesday**

Topic	Time			
<b>I. SESSION</b> <b>Protective Tillage Systems</b> <b>Moderator: Koç Mehmet TUĞRUL</b>	09:30	09:45	Investigation of Different Soil Tillage Methods in the GAP Region in Terms of Wheat and Maize Rotation	Ahmet Çıkman, Tali Monis, A.Suat Nacar, Yasemin Vurarak
	09:45	10:00	Effect of Different Compression Pressures Applied to Seed Bed in Direct Seeding for Main Crop Soybean	Mehmet Emin Bilgili, Orhan Kara
	10:00	10:15	Determining Energy and Utilization Efficiency of Different Tillage Methods on Cotton Cultivation	Tuncay Topdemir, M. Bülent Coşkun
	10:15	10:30	Assessment advantages and disadvantages of double cropping systems in cotton	Uğur Çakaloğulları, Özgür Tatar
	10:30	10:45	Specific Draft Force, Draft and some Operating Parameters and Fuel Based CO <sub>2</sub> Emissions of Different Soil Tillage-Planting Methods in Sunflower Production	Zinnur Gözübüyük, Mesut Cemal Adıgüzel

10:45 - 11:00

**COFFEE BREAK**

<b>II. SESSION</b> <b>Economics of Natural Resources</b> <b>Moderator: Zübeyde ALBAYRAM DOĞAN</b>	11:00	11:15	Evaluation of The Opinions of The Farmers in District on The Effects of Yortanlı Dam	Betül Susam, Sait Engindeniz, Melike Bahçeci
	11:15	11:30	Alaşehir Vineyard Producers' Attitude towards Production and Fertilizer Application Related Environmental Problems	İlkay Eremit, Zübeyde Albayram Doğan, Murat Çağatay Keçeci, Buket Karaturhan, Faruk Metinoğlu
	11:30	11:45	Natural Resources Management in Rural Development and Woman Interaction	Zerrin Çelik
	11:45	12:00	Evaluation of The Effects of Land Consolidation in Rural Development (With the Sample of Eskişehir - Merkez / Gündüzler)	Ziya Parlak
	12:00	12:15	Management of Water Resources with Agricultural Organizations in Turkey	Zübeyde Albayram Doğan
	12:15	12:30	Review the Situation in the Production of Oriental Tobacco-Future Directions	Romina Kabranova, Karolina Kochoska

12:30 – 13:30

**LUNCH**

**14 November 2019 Thursday**

14:00 – 15:00

**CLOSING CEREMONY**

<b>POSTER PRESENTATIONS</b>		
<b>POSTERS WILL BE READY DURING THE CONGRESS</b>		
<b>POSTERS WILL BE PRESENTED MENTIONED DATE AND TIME</b>		
<b>SOIL &amp; PLANT NUTRITION</b>		
<b>12 November 2019 Tuesday Time: 16:00 -18:00</b>		
1.	The Effect of Green Fertilizer Application on Physical Properties of Pomegranate Fruit	Abdullah Şakak, Hatice Kara, A.Suat Nacar, Müslüm Coşkun, Tali Monis, Ayşin Bilgili, Sadık Yetim, Murat Tarini
2.	The Effect of Selenium Applications on Yield Parameters and Selenium Content of Silage Maize	Aişe Deliboran, Yılmaz Işık, Hasan Aslan, Abdullah Suat Nacar, Tuba Yasemin Tekgül, Hatice Kara, Sait Gezgin
3.	Some Soil Properties of the Area Where the Crocuses Grow in Turkey	Erdoğan Uysal, Erdal Kaya
4.	Determination of The Effects of Calcium at Different Levels on Yield and Quality of Sweet Cherry	Fatih Kızılaslan, Özgür Ateş, Volkan Alveroğlu, Gülser Yalçın, Kadriye Taşpınar, Ece Turhan
5.	The Effect of Boron Fertilizer Given to Soil on Berseem Clover ( <i>Trifolium alexandrinum</i> L.) Yield	Hüseyin Bulut
6.	Effect of Phosphorus Fertilizer on Peach Yield in Aegean Region	Kürşat Üner, Mehmet Gündüz, Ülfet Erdal
7.	Expression of the Gene involved in Salt-Boron Tolerance of <i>Puccinella distans</i>	Merve İnanç, Mohd Kamran Khan, Anamika Pandey, Mehmet Hamurcu, Sait Gezgin, Özge Çelik, Erdoğan Eşref Hakkı
8.	Response of Commercial Strawberry Genotypes to Different Abiotic Stress Conditions	Mohd. Kamran Khan, Anamika Pandey, Erdogan E. Hakkı, Kamer Gulcan, Hatice Suslu, Pamela Aracena Santos, Mehmet Hamurcu, Sait Gezgin, Fatma Gokmen, Ahmed Mohammed Yossif, Mahmud Yuk, Zuhail Zeynep Avsaroglu, Humeyra Omay, Mustafa Harmankaya
9.	New Generation Meets Mother Earth	Mustafa Bıyıklı, Barış Albayrak, Erdoğan Uysal, Mehmet Kalkan
10.	Determining the Fertility and Microelement Scopes of the Agricultural Soils of Alaşehir-Sarıgöl Plain	Nejat Özden, Ömer Sökmen, Faruk Metinoğlu
11.	Soil Properties of Greenhouses in Kumluca, Antalya and Zinc and Boron Problems in Tomato Cultivation	Nuri Arı Cevdet Fehmi Özkan, Elif Işıl Demirtaş, Dilek Güven, Filiz Öktüren Asri, Murat Şimşek
12.	Determination of Plant Nutrient Element Contents of Çanakkale Province Soils	Özen Merken, Turcan Teker, Akay Ünal, Oğuzhan Soltekin, Fulya Kuştutan, Esra Albaz, Selçuk Karabat
13.	The Effects of Organic and Inorganic Fertilizer Applications on Sage Dry Herba Yield and Essential Oil Ratio	Umur Çürük, Saliha Kırıcı
14.	Root biomass accumulation in the soil from garden peas genotypes ( <i>Pisum sativum</i> L.)	Vasileva V., Kosev V., Kalapchieva S.
15.	Effects of Different Biochar Applications on Soil Biological Properties	Ebru Pınar Sayğan, Salih Aydemir, Osman Altun
16.	The Effects Of Microbial Fertilizer On Lettuce Production	Gülser Yalçın, Kadriye Taşpınar, Dr. Özgür Ateş, Fatih Kızılaslan, Adnan Cengiz
17.	A Comparison of the Effects of Hydrothermal and Pyrolytic Biochars on Selected Soil Physical, Chemical and Biological Characteristics	Ommolbanin Jafari Tarf, Muhittin Onur Akça, Oğuz Can Turgay, Ali Sinağ, Yusuf Osman Donar
18.	Studying of the Change of Microbiological Process During the Composting of Tobacco Waste and Horse Manure	Sedef Özden, Nur Okur
19.	Method Optimization of PAHs and Application to Real Samples	Barış Can Körükçü, Cemile Özcan



<b>AGRICULTURAL IRRIGATION</b>		
<b>13 November 2019 Wednesday Time: 16:00 – 18:00</b>		
20.	Using Hydrus 2d/3d Program on Design and Management of Drip Irrigation System	Filiz Kara, Bilal Cemek, Köksal Aydınşakir
21.	Importance and Evaluation of YSP (Leaf Water Potential) Parameter, which can be used as a marker for dealing with olive salt stress	Meltem Ayaz, Nurhan Varol, Ünal Kaya, Filiz Özdemir, Melike Bor, Erol Aydoğdu
22.	Determination of Drip Irrigation Systems Performance Established in Antalya Korkuteli Region	Nazmi Dinç, Köksal Aydınşakir, Mesut Işık, Ömer Özbek, Filiz Öktüren Asri, Nuri Arı
23.	Conserving Energy Consumption within the Agricultural Water Distribution Systems by Employing Canal Automation Technique	S. M. Hashemy Shahdany, M. E. Banihabib, S. Javadi
24.	The Effects of Different Irrigation Methods on Rice (Oryza sativa L.) Yield, Irrigation Water and Leaf Area Indeks (LAI)	Selçuk Özer, Yeşim Ahi
25.	Evaluation and Mapping of Irrigation Water in Terms of Agriculture in Thrace Region	Barış Can Körükçü, Erdem Bahar, Selçuk Özer
26.	Statistical Effects of Irrigation from Different Sources on Some Soil Properties	Mehmet Gündüz, Perihan Tarı Akap, Kürşat Üner, Süleyman Şen, Sinan Aras
27.	Effect of Different Irrigation Levels Effect Applied By Subsurface Drip Irrigation on Vitamin C Content of Tomato	Sinan Aras, Şuayip Yüzbaşı, Şener Özçelik, Nuri Candan, Ümit Alkan, Mehmet Gündüz, Perihan Tarı Akap, Fatih Şen
28.	Simulation of Soil Water Distribution Under Surface and Subsurface Drip Irrigation in Wheat Cultivation Using HYDRUS and ET-HS Models	Kamran Asgari, Sayyed-Hassan Tabatabaei, Payam Najafi, Mohammad Pessaraki, Sinan Aras
<b>CLIMATE CHANGE&amp;AGRICULTURAL ECOLOGY</b>		
<b>12 November 2019 Tuesday Time: 16:00 -18:00</b>		
29.	Simulation of Runoff and Sediment in a Water Repellant Soil Under Different Rainfall Intensity	Reyhanehsadat Mousavizadeh, Sayyedh-Hassan Tabatabaei, Negar Nourmahnad, Alireza Hosseinpour, Sinan Aras
30.	Importance of Land Consolidation in Stream Improvement Projects	Atakan Sert
31.	Climate Change and Agriculture	Güneş Eren Yalçın, Tuğçe Kızıltuğ
32.	Comparison of Commonly Used Calculators For The Determination of GHG Emissions in Agricultural Lands	Mehmet Gür, Cantekin Kıvrak, Erdem Bahar, Fatih Bakanoğulları
33.	Irrigation and Climate Characteristics Effect on Fruit in Yalova	Arzu Gündüz, Selma Özyiğit
34.	Importance of The Maximum Rainfall in Batman – Bingöl And Diyarbakir For Euphrates – Tigris Basin	Uğur Caymaz, Kadri Yürekli
35.	Leguminous Crops and Mixtures as Elements of Sustainable Agriculture	Viliana Vasileva, Emil Vasilev
36.	Effects of Climate Change on Agricultural Ecology	Salih Gökkür, Müge Şahin, Şerafettin Aşık
37.	Effects of Different Tillage Systems on Sustainable Organic Matter Management	Haydar Polat
38.	Relationship Between NDVI and LST Values in Wheat Yield in Drought Years	Arman Monshizade Karimi, Çağlar Özkan Sezer, Yusuf Ersoy Yıldırım, İsmail Taş
<b>AGRICULTURAL MACHINERY and INFORMATION TECHNOLOGIES</b>		
<b>13 November 2019 Wednesday Time: 14:00 – 16:00</b>		
39.	The Role of Artificial Intelligence in Developing Agricultural Technologies and Possibilities of Use in Turkey	Oğuz Fehmi Şen
<b>AGRICULTURAL ECONOMICS</b>		
<b>13 November 2019 Wednesday Time: 14:00 – 16:00</b>		
40.	Dates and Date- Based Products	Bassi Naima, Agli Abdennacer, Oulamara Hayet
41.	Socio Economic Characteristics and Agricultural Production Purposes of the Farmers Utilizing and not Utilizing from Drip Irrigation Subsidies: Case of Edirne Province	Erol Özkan, Başak Aydın, Ozan Öztürk, Selçuk Özer, Ülviye Çebi

- GÜBRETAŞ Project Meeting will be held at Bakırçay Hall between 14:00 – 18:00 on 12 November 2019 Tuesday.