TÜRKİYE 4TH INTERNATIONAL (16TH NATIONAL)

FIELD CROPS CONGRESS

16-18 / SEPTEMBER / 2026 / AYDIN / TÜRKİYE

Field Crops Department, Aydın Adnan Menderes University



FULL TEXTS BOOK

TÜRKİYE 4th INTERNATIONAL (16th NATIONAL) FIELD CROPS CONGRESS

September 16 – 18, 2026 / Aydin, Türkiye

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September 16 – 18, 2026

DATE
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Face-to-face & Online (Zoom)

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Türkiye 4th International (16th National) Field Crops Congress

Türkiye 4. Uluslararası (16. Ulusal) Tarla Bitkileri Kongresi

September 16 – 18, 2026 | Aydin, Türkiye

25.09.2026

REF: Akademik Teşvik

İlgili makama;

Türkiye 4. Uluslararası (16. Ulusal) Tarla Bitkileri Kongresi, 16–18 Eylül 2026 tarihleri arasında Baku, Havana, Küba'da 38 farklı ülkenin (Türkiye 180 bildiri- Diğer ülkeler 198 bildiri) akademisyen/araştırmacılarının katılımıyla gerçekleşmiştir

Kongre 16 Ocak 2020 Akademik Teşvik Ödeneği Yönetmeliğine getirilen "Tebliğlerin sunulduğu yurt içinde veya yurt dışındaki etkinliğin uluslararası olarak nitelendirilebilmesi için Türkiye dışında en az beş farklı ülkeden sözlü tebliğ sunan konuşmacının katılım sağlaması ve tebliğlerin yarıdan fazlasının Türkiye dışından katılımcılar tarafından sunulması esastır." değişikliğine uygun düzenlenmiştir.

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HEAD OF CONGRESS ORGANIZING COMMITTEE

T.C.
AYDIN ADNAN MENDERES ÜNİVERSİTESİ REKTÖRLÜĞÜ
Ziraat Fakültesi Dekanlığı
Personel İşleri Birimi

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DEKANLIK MAKAMINA

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Fakültemiz Tarla Bitkileri Bölümü tarafından 16-18 Eylül 2026 tarihleri arasında İKSAD Enstitüsü ile ortaklaşa düzenlenmesi planlanan "Türkiye IV. Uluslararası (XVI. Ulusal) Tarla Bitkileri Kongresi" çerçevesinde kongre düzenleme kuruluna aşağıda unvan ve isimleri yazılı olan öğretim üyelerinin görevlendirilmeleri hususunu Olurlarınıza arz ederim.

Düzenleme Kurulu
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Prof. Dr. Osman EREKUL
Prof. Dr. Öner CANAVAR
Doç. Dr. Yakup Onur KOCA
Doç. Dr. Feride Öncan SÜMER
Doç. Dr. Uğur TAN
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Dr. Öğr. Üyesi Ali YİĞİT

Göksel BARAN
Fakülte Sekreteri V.

OLUR

Prof. Dr. Mustafa SÜRMEN
Dekan

Dağıtım:
Sayın Prof. Dr. Olcay ARABACI
Sayın Prof. Dr. Osman EREKUL

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TABKON

TARLA BİTKİLERİ KONGRESİ

FIELD CROPS CONGRESS

Kongre Salonları Bildiri Sunum Programı

Congress Halls — Paper Presentation Schedule

Çarşamba / Wednesday 10.00-12.30 AÇILIŞ OTURUMU

1.Prof. Dr. Frank-M.Chmielewski

Climate Change-A Challenge for Agricultural Production

2. BÜGEM Genel Müdür Yardımcısı İhsan Emiralioğlu

Türkiye'de Bitkisel Üretim

Çarşamba / Wednesday 13.30-15.15 Sektör Sunumları

Çarşamba / Wednesday 15.30 – 18.15

Çarşamba / Wednesday 19.30 Gala Yemeği

Perşembe / Thursday 09.00 – 18.00 (öğle arası / lunch break 12.30–13.30)

Perşembe / Thursday 18.30-19.30 Tralles Gezisi

Cuma / Friday 09.00 – 15.00 (öğle arası / lunch break 12.30–13.30)

Sunum süresi 10 dk • Standart oturum 60 dk • Oturum arası 15 dk

Presentation duration 10 min • Standard session 60 min • Break between sessions 15 min

ÜÇ SALON GENEL DAĞILIMI

Overview of the Three Congress Halls

Salon / Hall	Bildiri / Papers	Oturum / Sessions	Ana Alan Dağılımı / Main Field Distribution
Yörük Ali Efe Salonu	66	13	Tıbbi/Aromatik + Endüstri Bitkileri
Aydın Bey Salonu	64	13	Tahıl ve Baklagiller + Endüstri Bitkileri
İsa Bey Salonu	63	13	Çayır-Mera/Yem Bitkileri + Diğerleri + Endüstri

ALAN RENK LEJANTI

Field Color Legend

	Tıbbi ve Aromatik Bitkiler / Medicinal and Aromatic Plants
	Endüstri Bitkileri / Industrial Crops
	Tahıl ve Baklagiller / Cereals and Legumes
	Çayır-Mera ve Yem Bitkileri / Pasture-Rangeland and Forage Crops
	Diğerleri / Others

YÖRÜK ALI EFE SALONU

SALON 1 | TIBBİ VE AROMATİK + ENDÜSTRİ BİTKİLERİ

HALL 1 | MEDICINAL / AROMATIC PLANTS + INDUSTRIAL CROPS

39 tıbbi-aromatik + 27 endüstri | Toplam 66 bildiri • 13 oturum.

39 medicinal-aromatic + 27 industrial | Total 66 papers • 13 sessions.

PERŞEMBE 17.15–18.00: 45 dakikalık ek oturum (4 sunum + 5 dk değerlendirme). Diğer oturumlar 60 dakika.

THURSDAY 17.15–18.00: a 45-minute additional session (4 papers + 5 min discussion). All other sessions are 60 minutes.

Her sunum 10 dk. Çarşamba oturumlarında 6, diğer standart oturumlarda en fazla 5 sunum. Oturum araları 15 dk; öğle arası 12.30–13.30.

Each presentation is 10 min. Wednesday sessions have 6 papers; other standard sessions have up to 5 papers. Breaks between sessions are 15 min; lunch break is 12.30–13.30.

Renkler anabilim dalını, kalın üst çizgi yeni oturumu gösterir. Yazarlar kaynak sırasındadır; sunucu ayrıca belirtilmemiştir.

Colors indicate the field of study. Authors are listed in source order; the presenting author is not separately indicated.

AÇILIŞ ÖNCESİ / PRE-OPENING • SPONSOR SUNUMLARI / SPONSOR PRESENTATIONS **Çarşamba / Wednesday 13:30-15:10**

Sıra / No.	Sponsor Firma / Company	Sunum Yapan / Presenter	Bildiri Adı / Presentation Title
1	**Polen Tohum**	Umut Çobankent	*Yerelden Küresele Polen Tohumculuk*
2	**Syngenta Tohum**	Jader Caricati	*Syngenta Seedcare New Technologies*
3	**Progen Tohum**	Başak Su Özbuğday, Mehmet Emin Çalışkan	*Progen Tohum: Ar-Ge'den Sahaya Değer Yaratan Yolculuk*
4	**Alfa Tohum**	Resul Engin, Yusuf Koparan, Belgin Ümmü İnkaya Koparan, Orkun Kaçan	*Development of New Wheat Varieties for the Sustainability of Wheat Production in Arid and Semi-Arid Regions*
5	**Özaltın Tohum**	Mustafa Kökten	*Özaltın Tohum A.Ş Tanıtım*
6	**Tarım Kredi Kooperatifleri**	—	*Kurumsal Video Sunumu*

ÇARŞAMBA / WEDNESDAY

ÇAĞRILI BİLDİRİ / INVITED PAPER

Dönüşümün Eşiğinde Türkiye'de Endüstri Bitkileri: İklim, Teknoloji ve Rekabet Ekseninde Üretimin Geleceği

Mehmet Emin ÇALIŞKAN

YÖRÜK ALI EFE SALONU / OTURUM / SESSION S1-O01 • Endüstri Bitkileri / Industrial Crops

Oturum Başkanı	Prof. Dr. Hasan BAYDAR
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
16.09.2026 ÇARŞAMBA / WEDNESDAY 15:30–15:40	**Tissue Culture Optimization and Rapid Propagation of Some Industrial Nettle Genotypes** *1. Büşra Tik* *2. Ali Kemal Ayan*
16.09.2026 ÇARŞAMBA / WEDNESDAY 15:40–15:50	**Effects of Pre-germination Treatments on Germination in Giant Nettle (*Girardinia diversifolia* L.) Seeds** *1. Büşra Tik* *2. Ali Kemal Ayan*
16.09.2026 ÇARŞAMBA / WEDNESDAY 15:50–16:00	**Assessment of the Effects of Global Climate Change and Carbon Emissions on Cotton Pests: A Sustainable Cotton Production Approach** *1. Sergül Çopul*
16.09.2026 ÇARŞAMBA / WEDNESDAY 16:00–16:10	**The Effect of Restricted Irrigation Conditions on Nodulation in Soybean (*Glycine max* L.) Genotypes** *1. Cafer Aşar* *2. Fatma İnci* *3. Cavid Huseynov* *4. Deniz İştipliler*
16.09.2026 ÇARŞAMBA / WEDNESDAY 16:10–16:20	**Pamukta Genetik Stok ve İntrodüksiyon Çalışmaları** *1. Hakan Demirtaş*
16:20–16:30	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ARA / BREAK • 15 dk / min (16:30–16:45)

YÖRÜK ALI EFE SALONU / OTURUM / SESSION S1-O02 • Endüstri Bitkileri / Industrial Crops

Oturum Başkanı	Prof. Dr. Mehmet Emin ÇALIŞKAN
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
16.09.2026 ÇARŞAMBA / WEDNESDAY 16:45–16:55	**The Current and Future Importance of Landraces and Farmer Varieties in Flax (*Linum usitatissimum* L.) Breeding Programs** *1. Kutay Yılmaz* *2. Dilek Başalma*
16.09.2026 ÇARŞAMBA / WEDNESDAY 16:55–17:05	**A Preliminary Study on the Effect of Wood Vinegar Application on the Grain Yield and Some Yield Parameters of Safflower (*Carthamus tinctorius*)** *1. Ipek Demır* *2. Hakan Geren*
16.09.2026 ÇARŞAMBA / WEDNESDAY 17:05–17:15	**Agronomic Performance of Anatolian Safflower Genotypes under Mediterranean Winter-Growing Conditions** *1. Hatice Tuğcu* *2. Aliye Yildirim Keskinoglu* *3. Emre İlker*
16.09.2026 ÇARŞAMBA / WEDNESDAY 17:15–17:25	**Timing of Water Limitation Shapes Root Dry Matter Distribution and Seed Cotton Yield** *1. Volkan Yeşil* *2. Huseyn Baghırlı* *3. Cavid Huseynov* *4. Ali Mammadov* *5. Tamara Heydarova* *6. Mustafa Özgür Tatar*
16.09.2026 ÇARŞAMBA / WEDNESDAY 17:25–17:35	**Effects of Camelina (*Camelina sativa* L. Crantz) Based Intercropping Systems on Disease Development under Organic Farming Conditions** *1. Emel Çakır* *2. Reyhan Bahtiyarca*

PERŞEMBE / THURSDAY

YÖRÜK ALI EFE SALONU / OTURUM / SESSION S1-O03 • Tıbbi ve Aromatik Bitkiler / Medicinal and Aromatic Plants

Oturum Başkanı	Prof. Dr. İsa TELCİ
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 09:00–09:10	**Melisa (*Melissa officinalis*) Üretiminde Tuzluluk Stresinin Salisilik Asit Uygulamalarıyla Azaltılması** *1. Merve Göre Akyüz* *2. Ayşe Betül Avcı*
17.09.2026 PERŞEMBE / THURSDAY 09:10–09:20	**Decoding the Opium Poppy Proteome: Tissue-Specific Insights into Bia Chemotypes** *1. Hatice Şelale Yıldız* *2. Anne Frary* *3. Sami Doğanlar* *4. İrem Taşdemır*
17.09.2026 PERŞEMBE / THURSDAY 09:20–09:30	**Effect of Drip Irrigation Levels on Lavender (*Lavandula angustifolia* Mill.) Yield and Yield Components** *1. Safiye Pınar Tunalı* *2. Necdet Dağdelen* *3. Talih Gürbüz* *4. Selin Akçay* *5. Ali Cihan*
17.09.2026 PERŞEMBE / THURSDAY 09:30–09:40	**Effects of Postharvest Salicylic and Citric Acid Applications on the Preservation of *Mentha longifolia* L.** *1. Ezelhan Selem* *2. Rüveyde Tunçtürk* *3. Lutfi Nohutcu* *4. Onur Tekin* *5. Murat Tunçtürk*
17.09.2026 PERŞEMBE / THURSDAY 09:40–09:50	**LC-MS/MS-Based Phenolic Characterization of *Tagetes* Species Collected at Different Periods and Chemical Evaluation of Their Potential as Green Corrosion Inhibitors** *1. Merve Arabacı* *2. Elnaz Latifian Hacıkamiloğlu* *3. Şahane Funda Arslanoğlu*
09:50–10:00	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ARA / BREAK • 15 dk / min (10:00–10:15)

YÖRÜK ALI EFE SALONU / OTURUM / SESSION S1-O11 • Endüstri Bitkileri / Industrial Crops

Oturum Başkanı	Prof. Dr. Sami DOĞANLAR
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 10:15–10:25	**Endüstriyel Kenevirde (*Cannabis sativa* L.) Melezleme** *1. Erdem Karakoç* *2. Güngör Yılmaz*
17.09.2026 PERŞEMBE / THURSDAY 10:25–10:35	**Determination of Predators of *Phenacoccus solenopsis* in Cotton Fields of Aydin Province** *1. Sergül Çopul* *2. Hüseyin Yerlikaya* *3. Hüseyin Başpınar* *4. Mehmet Bora Kaydan*
17.09.2026 PERŞEMBE / THURSDAY 10:35–10:45	**Kükürt Form Ve Dozlarının Tütünün Verim Ve Kalite Özelliklerine Etkileri** *1. Erdem Karakoç* *2. Hacı Duran Cingöz* *3. Ahmet Kınay*
17.09.2026 PERŞEMBE / THURSDAY 10:45–10:55	**Effect of Different Forms of Phosphorus Fertilizer Applications on Some Yield and Quality Characteristics of Linseed (*Linum usitatissimum* L.)** *1. Emrullah Culpan* *2. Burhan Arslan* *3. Fatma Yıldız*

Oturum Başkanı	Prof. Dr. Sami DOĞANLAR
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 10:55–11:05	**Aspir Islahında Yeni İdeotip Arayışları: Geleneksel Bitki Tiplerinden Geleceğin Bitki Mimarilerine** *1. Hasan Baydar* *2. Sabri Erbaş*
17.09.2026 PERŞEMBE / THURSDAY 11:05–11:15	**Determination of Seed Yield and Some Quality Traits of Linseed (*Linum usitatissimum* L.) Cultivars Harvested at Different Maturity Stages** *1. Emrullah Culpan* *2. Semra Agırtmış*

ARA / BREAK • 15 dk / min (11:15–11:30)

YÖRÜK ALI EFE SALONU / OTURUM / SESSION S1-O05 • Tıbbi ve Aromatik Bitkiler / Medicinal and Aromatic Plants

Oturum Başkanı	Prof. Dr. Emine BAYRAM
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 11:40–11:50	**Determination of Essential Oil Composition of Pink Rock Rose (*Cistus creticus* L.) Collected at Different Harvesting Dates** *1. Seviye Yaver* *2. Yasemin Erdoğdu*
17.09.2026 PERŞEMBE / THURSDAY 11:50–12:00	**Biyogaz Sıvı Atıklarının Anason'un (*Pimpinella anisum* L.) Verim Ve Kalite Parametreleri Üzerine Etkilerinin Belirlenmesi** *1. Bekir Tosun* *2. Tahsin Karadoğan* *3. Yeşim Cirit* *4. Sermin Göksu Karagöz*
17.09.2026 PERŞEMBE / THURSDAY 12:00–12:10	**Effects of Rooting Medium, Auxin Type, and Concentrations on the Adventitious Rooting and Development of *Helichrysum italicum* Cuttings** *1. Ali Bulut Yılmaz* *2. Yasemin Erdoğdu*
17.09.2026 PERŞEMBE / THURSDAY 12:10–12:20	**Fungal Disease Agents in Some Medicinal and Aromatic Plants** *1. Duygu Mermer Doğu* *2. Sirel Canpolat* *3. Senem Tülek* *4. Tülin Sarıgül Ertek*
12:20–12:30	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ÖĞLE ARASI / LUNCH BREAK • 60 dk / min (12:30–13:30)

YÖRÜK ALI EFE SALONU / OTURUM / SESSION S1-O06 • Tıbbi ve Aromatik Bitkiler / Medicinal and Aromatic Plants

ÇAĞRILI BİLDİRİ / INVITED PAPER
Tıbbi ve Aromatik Bitkilerin Üretimi ve Sürdürülebilirliği
Saliha KIRICI

Oturum Başkanı	Prof. Dr. Murat TUNÇTÜRK
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 13:30–13:40	**Determination of Morphogenetic and Ontogenetic Variability in the Essential Oil of Anatolian Sage (*Salvia fruticosa* Mill.)** *1. Deniz Kotiloğlu* *2. Orçun Yılmaz* *3. Ünal Karık* *4. Şevket Özdemir* *5. Özge Yıldız Bayram* *6. Nihal Yaman*
17.09.2026 PERŞEMBE / THURSDAY 13:40–13:50	**Agricultural and Industrial Potential and Breeding Studies of Immortelle (*Helichrysum italicum* (Roth) G. Don Fil.) in the Lake Region**

Oturum Başkanı	Prof. Dr. Murat TUNÇTÜRK
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
	1. Sabri Erbaş *2. Murat Mutlucan* *3. Hasan Baydar*
17.09.2026 PERŞEMBE / THURSDAY 13:50–14:00	**Lavender ve Lavandin Türlerinde Tozlaşma ve Döllenme Biyolojisi** *1. Hasan Baydar* *2. Ümmü Tuğlu*
17.09.2026 PERŞEMBE / THURSDAY 14:00–14:10	**Sustainability Assessment of the Production and Essential Oil Potential of *Origanum onites* L. in Turkiye and Denizli** *1. Betül Pak* *2. Emine Bayram*
14:10–14:30	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ARA / BREAK • 15 dk / min (14:30–14:45)

YÖRÜK ALI EFE SALONU / OTURUM / SESSION S1-O07 • Tıbbi ve Aromatik Bitkiler / Medicinal and Aromatic Plants

Oturum Başkanı	Prof. Dr. Ayşe Betül AVCI
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 14:45–14:55	**Defne (*Laurus nobilis* L.) Popülasyonunda Farklı Yaprak Durumlarına Göre Verim Ve Kalite Özelliklerinde Değişimin Belirlenmesi** *1. Müzeyyen Tekin* *2. Emine Bayram*
17.09.2026 PERŞEMBE / THURSDAY 14:55–15:05	**Morphological and Agronomic Characterization of Selected *Achillea* Species** *1. Orçun Yılmaz* *2. Olcay Arabacı* *3. Ünal Karık* *4. İlknur Kösoğlu* *5. Hicran Akaalp Acetı* *6. Deniz Kotiloğlu* *7. Hüseyin Kandemir* *8. Özge Yıldız Bayram*
17.09.2026 PERŞEMBE / THURSDAY 15:05–15:15	**Evaluation of the Adaptation of Selected Medicinal and Aromatic Plants to the Ecological Conditions of Dalaman** *1.Fatma Alptekin* *2.Ünal Karık*
15:15–15:45	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ARA / BREAK • 15 dk / min (15:45–16:00)

YÖRÜK ALI EFE SALONU / OTURUM / SESSION S1-O08 • Tıbbi ve Aromatik Bitkiler / Medicinal and Aromatic Plants

Oturum Başkanı	Prof. Dr. Hasan BAYDAR
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 16:00–16:10	**Antifungal Activity and GC–MS-Based Chemical Characterization of the Essential Oil, Hydrosol, and Post-Distillation Residue Water of *Artemisia absinthium* L. against *Rhizoctonia solani*** *1. Murat Mutlucan* *2. Sabri Erbaş* *3. Canan Gülcan* *4. Zunaira Tahir* *5. Hülya Özgönen Özkaya*
17.09.2026 PERŞEMBE / THURSDAY 16:10–16:20	**The Effects of Growth Regulators (IBA and NAA) and Plant Growth-Promoting Rhizobacteria (PGPR) on Root and Shoot Development of Vetiver (*Vetiveria zizanioides*) Cuttings** *1. Dilek Balalı* *2. Olcay Arabacı*
17.09.2026 PERŞEMBE / THURSDAY 16:20–16:30	**Utilization of Morphological and Chemotypic Variation in Medicinal and Aromatic Plants for Plant Breeding**

Oturum Başkanı	Prof. Dr. Hasan BAYDAR
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
	1. Ünal Karık *2. Orçun Yılmaz* *3. Deniz Kotiloğlu* *4. Şevket Özdemir* *5. Özge Yıldız Bayram* *6. Nihal Yaman*
17.09.2026 PERŞEMBE / THURSDAY 16:30–16:40	**Yarı Kurak İklim Koşullarında Yetiştirilen Bazı Tıbbi Bitkilerin Uçucu Yağ Kompozisyonu Ve Biyolojik Aktivitelerinin Belirlenmesi** *1.Nazerin Karaaslan* *2.Nurullah Akçan* *3.Özlem Tonçer* *4. Süleyman Kızıl*
17.09.2026 PERŞEMBE / THURSDAY 16:40–16:50	**Field Evaluation of Transplanting in Anise (*Pimpinella anisum* L.)** *1. Gülsüm Boztaş* *2. Huseyn Baghırlı* *3. Volkan Yeşil* *4. Mustafa Özgür Tatar*
16:50–17:00	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ARA / BREAK • 15 dk / min (17:00–17:15)

YÖRÜK ALI EFE SALONU / OTURUM / SESSION S1-O09 • Tıbbi ve Aromatik Bitkiler / Medicinal and Aromatic Plants

Oturum Başkanı	Prof. Dr. Sabri ERBAŞ
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 17:15–17:25	**Phenotypic Plasticity of Anise (*Pimpinella anisum* L.) under Different Growing Conditions** *1. Gülsüm Boztaş* *2. Volkan Yeşil* *3. Huseyn Baghırlı* *4. Mustafa Özgür Tatar*
17.09.2026 PERŞEMBE / THURSDAY 17:25–17:35	**Potasyumlu Gübre Uygulamalarının Safranda (*Crocus sativus* L.) Tohumluk Soğan İriliği Üzerine Etkileri** *1. Mehmet Akgül* *2. Murat Alan* *3. Şahane Funda Arslanoğlu*
17.09.2026 PERŞEMBE / THURSDAY 17:35–17:45	**Tohum Baharat Bitkisi Mikroyeşillerinin Fonksiyonel Gıda Potansiyellerinin Araştırılması** *1. Rüveyde Tunçtürk*
17:45–18:00	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

CUMA / FRIDAY

YÖRÜK ALI EFE SALONU / OTURUM / SESSION S1-O10 • Tıbbi ve Aromatik Bitkiler / Medicinal and Aromatic Plants

Oturum Başkanı	Prof. Dr. Rüveyde TUNÇTÜRK
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
18.09.2026 CUMA / FRIDAY 09:00–09:10	**Bazı Dekoratif Tarla Bitkilerinin süs Bitkisi olarak Kullanım Potansiyeli** *1.Cansu Dindar* *2.Hatice Kübra Gören* *3. Uğur Tan* *4. Engin Ertan*
18.09.2026 CUMA / FRIDAY 09:10–09:20	**Aydın İlinde Doğal Yayılış Gösteren Karabaş Otu (*Lavandula stoechas* L.) Populasyonlarının Bazı Morfolojik Özelliklerinin Belirlenmesi** *1.Hafize Sert* *2.Olcay Arabacı*
18.09.2026 CUMA / FRIDAY 09:20–09:30	**The Effects of Rooting Substrate and Auxin Applications on Root and Shoot Development of Lemon Verbena (*Lippia citriodora* L.) Cuttings** *1. Yasemin Erdoğdu* *2. Burhan Emir Çelebi*
18.09.2026 CUMA / FRIDAY 09:30–09:40	**Haşhaş Genetik Kaynaklarının Alkaloid İçeriği Ve Morfolojik Özellikler Bakımından Karakterizasyonu** *1. Ayşegül Altunok Memiş*
18.09.2026 CUMA / FRIDAY 09:40–09:50	**Evaluation of Some Opium Poppy (*Papaver somniferum* L.) Genotypes in Terms of Yield and Alkaloid Content under Eskişehir Conditions** *1. Ferda Çelikoğlu Koşar* *2. Ceydanur Yurdagül* *3. Arzu Köse* *4. Arzu Akın* *5. Seda Doğan*
09:50–10:00	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ARA / BREAK • 15 dk / min (10:00–10:15)

YÖRÜK ALI EFE SALONU / OTURUM / SESSION S1-O04 • Tıbbi ve Aromatik Bitkiler / Medicinal and Aromatic Plants

Oturum Başkanı	Prof. Dr. Saliha KIRICI
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
18.09.2026 CUMA / FRIDAY 10:15–10:25	**Aydın Ekolojik Koşullarında İstanbul Kekiği (*Origanum vulgare* subsp. *hirtum*)'Nin Tarımsal Ve Teknolojik Özelliklerinin Belirlenmesi** *1.Nazlıcan Ataman* *2.Olcay Arabacı*
18.09.2026 CUMA / FRIDAY 10:25–10:35	**The Effect of Diurnal Variability on the Essential Oil Content and Composition of Wormwood (*Artemisia absinthium* L.)** *1. Lutfi Nohutcu* *2. Murat Tunçtürk* *3. Rüveyde Tunçtürk* *4. Ezelhan Selem*
18.09.2026 CUMA / FRIDAY 10:35–10:45	**Fabaceae Fodder Plants with Medicinal and Aromatic Properties** *1. Feyza Döndü Bilgin*
18.09.2026 CUMA / FRIDAY 10:45–10:55	**Çörekotu Genotiplerinde Fenotipik ve Kimyasal Çeşitlilik: Tıbbi ve Baharat Kullanım Tercihlerine Yönelik Sınıflandırma** *1. İsa Telci*
18.09.2026 CUMA / FRIDAY 10:55–11:05	**Tarla Koşullarında *Sideritis perfoliata* ve Endemik *Sideritis congesta* P. H. Davis et Hub.-Mor. Türlerinin Agronomik, Teknolojik ve Uçucu Yağ Bileşimi Özelliklerinin Belirlenmesi** *1. Merve Göre Akyüz* *2. Ayşe Betül Avcı*

Oturum Başkanı	Prof. Dr. Saliha KIRICI
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
18.09.2026 CUMA / FRIDAY 11:05–11:15	**Doğadan Tarlaya: *Gundelia* spp. (Kenger)'nın Etnobotanik Önemi: Ekonomik Potansiyeli ve Kültüre Alınma İmkanları** *1.Fevzi Özgökçe* *2.Güler Dilbilir* *3.Mizgin Kaçar*
11:15–11:30	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ARA / BREAK • 15 dk / min (11:15–11:30)

YÖRÜK ALI EFE SALONU / OTURUM / SESSION S1-O12 • Endüstri Bitkileri / Industrial Crops

Oturum Başkanı	Prof. Dr. Sıdıka EKREN
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
18.09.2026 CUMA / FRIDAY 11:30–11:40	**Genome Wide Identification of Genetic Loci Associated with Agronomic, Fiber Quality and Stress Related Traits in Upland Cotton** *1. Asena Akköse Baytar* *2. Volkan Sezener* *3. Anne Frary* *4. Sami Doğanlar*
18.09.2026 CUMA / FRIDAY 11:40–11:50	**Philogenetic Analysis of the Most Common Domestic and Foreign Cotton Varieties Cultivated in Turkey with Ssr Markers** *1. Ahmet Okumuş* *2. Orhan Arpacı*
18.09.2026 CUMA / FRIDAY 11:50–12:00	**Yield Losses and Their Causes between First Crop and Second-Crop Sunflower** *1. Zeliha Evran* *2. Öner Canavar* *3. Hatice Kübra Gören*
18.09.2026 CUMA / FRIDAY 12:00–12:10	**Orta Anadolu Bölgesi Patates Üretim Alanlarında Entomopatojen Fungus Varlığı Ve Potansiyelinin Belirlenmesi** *1. Durmuş Erdurmuş* *2. Mürşide Yağcı* *3. Özlem Alagöz*
18.09.2026 CUMA / FRIDAY 12:10–12:20	**Verimli ve Lif Kalite Değerleri Üstün Yeni Pamuk Genotiplerinin Geliştirilmesi** *1. Hakan Demirtaş*
12:20–12:30	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ÖĞLE ARASI / LUNCH BREAK • 60 dk / min (12:30–13:30)

YÖRÜK ALI EFE SALONU / OTURUM / SESSION S1-O13 • Endüstri Bitkileri / Industrial Crops

Oturum Başkanı	Prof. Dr. Şahane Funda ARSLANOĞLU
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
18.09.2026 CUMA / FRIDAY 13:30–13:40	**Shoot Regeneration from Cotyledonary Node and Root Node Explants in Sesame (*Sesamum indicum* L.)** *1. Nartane Sena Şensoy* *2. Zülal Kındık* *3. Ferzat Turan*
18.09.2026 CUMA / FRIDAY 13:40–13:50	**Genome Editing for Gossypol Biosynthesis in Upland Cotton Using CRISPR System** *1.Turgay Baltaş* *2. Asena Akköse Baytar* *3. Anne Frary* *4. Sami Doğanlar*
18.09.2026 CUMA / FRIDAY 13:50–14:00	**Effects of Deficit Irrigation on Some Yield and Quality Traits of Soybean (*Glycine max* (L.) Merr.) Cultivars** *1.Nermin Yaraşır* *2.Osman Erekul*
14:00–14:20	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

AYDIN BEY SALONU

SALON 2 | TAHIL VE BAKLAGİLLER

HALL 2 | CEREALS AND LEGUMES

55 tahıl-baklagil + 9 endüstri | Toplam 64 bildiri • 13 oturum.

55 cereal-legume + 9 industrial | Total 64 papers • 13 sessions.

PERŞEMBE 17.15–18.00: 45 dakikalık ek oturum (4 sunum + 5 dk değerlendirme). Diğer oturumlar 60 dakika.
THURSDAY 17.15–18.00: a 45-minute additional session (4 papers + 5 min discussion). All other sessions are 60 minutes.
Her sunum 10 dk. Çarşamba oturumlarında 6, diğer standart oturumlarda en fazla 5 sunum. Oturum araları 15 dk; öğle arası 12.30–13.30.
Each presentation is 10 min. Wednesday sessions have 6 papers; other standard sessions have up to 5 papers. Breaks between sessions are 15 min; lunch break is 12.30–13.30.
Renkler anabilim dalını, kalın üst çizgi yeni oturumu gösterir. Yazarlar kaynak sırasındadır; sunucu ayrıca belirtilmemiştir.
Colors indicate the field of study. Authors are listed in source order; the presenting author is not separately indicated.

ÇARŞAMBA / WEDNESDAY

ÇAĞRILI BİLDİRİ / INVITED PAPER
Tahıl Islahında Yeni Yaklaşımlar
Nevzat AYDIN

AYDIN BEY SALONU / OTURUM / SESSION S2-O01 • Tahıl ve Baklagiller / Cereals and Legumes

Oturum Başkanı	Prof. Dr. Muzaffer TOSUN
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
16.09.2026 ÇARŞAMBA / WEDNESDAY 15:30–15:40	**Development of New Wheat Varieties for the Sustainability of Wheat Production in Arid and Semi-Arid Regions** *1. Resul Engin* *2. Yusuf Koparan* *3. Belgin Ümmü İnkaya Koparan* *4. Orkun Kaçan*
16.09.2026 ÇARŞAMBA / WEDNESDAY 15:40–15:50	**Development and Characterization of Doubled Haploid Maize Lines Derived from Elite Source Populations: Agronomic, Grain Quality and Silage Quality Evaluation** *1. Ersan Atakul* *2. Fatih Ateş* *3. Melek Nur Kilit* *4. Erhan Dal* *5. Ülkü Er* *6. Gizem Çivi* *7. Çetin Çetinkaya* *8. Fatih Kahrıman* *9. Asude Kahrıman*
16.09.2026 ÇARŞAMBA / WEDNESDAY 15:50–16:00	**Bazı Fasulye Genotiplerinin Fasulye Kök Çürüklüğü Hastalıklarına (*Rhizoctonia solani* Ve *Fusarium oxysporum*) Karşı Reaksiyonları** *1. Sirel Canpolat* *2. Senem Tülek* *3. Abdulaziz Yağmur* *4. Kamil Duman* *5. Reyhan Karayel Aydın* *6. Evren Atmaca* *7. Abdullah Taner Kılınç*
16.09.2026 ÇARŞAMBA / WEDNESDAY 16:00–16:10	**A Research on Determination of Yield and Yield Components of some Faba Bean (*Vicia faba* L.) Lines and Varieties** *1.Eylem Tuğay Karagül* *3.Firdevs Niksarlı İnal* *3.Erken Kaya* *4.Beyza Taş*
16.09.2026 ÇARŞAMBA / WEDNESDAY 16:10–16:20	**Evaluation of Phenological and Morphological Diversity in Proso Millet (*Panicum miliaceum* L.) Using UAV-Based Multispectral Phenotyping** *1. Fatma İnci* *2. Cafer Aşar* *3. Cavid Huseynov* *4. Deniz İştipliler*

ARA / BREAK • 15 dk / min (16:30–16:45)

AYDIN BEY SALONU / OTURUM / SESSION S2-O02 • Tahıl ve Baklagiller / Cereals and Legumes

Oturum Başkanı	Prof. Dr. Sabri GÖKMEN
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
16.09.2026 ÇARŞAMBA / WEDNESDAY 16:45–16:55	**Evaluation of Some Barley Genotypes for Grain Yield and Quality Companents under Different Environmental Conditions** *1. Seda Üçeş* *2. Aydın İmamoğlu* *3. Mustafa Cerit* *4. Özge Yıldız Bayram* *5. Deniz Kaplan*
16.09.2026 ÇARŞAMBA / WEDNESDAY 16:55–17:05	**Determination of Plant Height in Different Maize Genotypes Using UAV-Based Imaging** *1. Cavid Huseynov* *2. Fatma İnci* *3. Cafer Aşar* *4. Deniz İştipliler*
16.09.2026 ÇARŞAMBA / WEDNESDAY 17:05–17:15	**Bioethanol Production via Dry Milling and Ultrasonic-Assisted Methods from Different Maize Types and Comparison of the Nutritional Values of By-Products** *1. Fatih Kahrıman* *2. Esma Arı* *3. Berke Doğan*
16.09.2026 ÇARŞAMBA / WEDNESDAY 17:15–17:25	**Bread Wheat Landraces of Eastern Anatolia: Assessing Agronomic Diversity and Selection Efficiency in the Van, Bitlis and Muş Populations** *1. Burak Özdemir* *2. Şadiye Demir Atmaca* *3. Saime Duman* *4. Erol Oral* *5. Fevzi Altuner* *6. Solmaz Najafi* *7. Mehmet Ülker*
16.09.2026 ÇARŞAMBA / WEDNESDAY 17:25–17:35	**Beyaz Taneli Ekmeklik Buğday Çeşitlerinde Tane Verimi Ve Kalite Özellikleri** *1. Damla Balaban Göçmen* *2. Oğuz Bilgin* *3. Alpay Balkan* *4. İsmet Başer*
16.09.2026 ÇARŞAMBA / WEDNESDAY 17:35–17:45	**Investigation of the Yield and Quality Performance of Different Faba Bean (*Vicia faba* L.) Genotypes under Rainfed Conditions in Çanakkale** *1. Umut Songur* *2. Beyza Söğüt* *3. Harun Baytekin*

PERŞEMBE / THURSDAY

AYDIN BEY SALONU / OTURUM / SESSION S2-O03 • Tahıl ve Baklagiller / Cereals and Legumes

Oturum Başkanı	Prof. Dr. Nevzat AYDIN
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 09:00–09:10	**Effect of Different Irrigation Levels on the Yield Performance of Proso Millet (*Panicum miliaceum* L.) Genotypes** *1. Emir Berke Deniz* *2. Deniz İştipliler*
17.09.2026 PERŞEMBE / THURSDAY 09:10–09:20	**Which Way Down? The Effect of Seed Orientation on Root Gravitropic Response and Early Root Architecture in Bread Wheat and Barley** *1. Burak Özdemir* *2. Beritan Babur* *3. Gülseven Bayar* *4. Mehmet Ülker*
17.09.2026 PERŞEMBE / THURSDAY 09:20–09:30	**iPBS Retrotranspozon Markörleri Kullanılarak Arpa (*Hordeum vulgare* L.) Çeşitlerinde Genetik Çeşitlilik ve Popülasyon Yapısının Belirlenmesi** *1. Aras Türkoğlu* *2. Muhammet İslam Işık* *3. Kamil Haliloğlu* *4. Şerife Erkol* *5. Joachim Paulo Makanja*
17.09.2026 PERŞEMBE / THURSDAY 09:30–09:40	**Trakya Koşullarında Yulaf Genotiplerinde (*Avena sativa* L.) Tane Verimi Ve Bazı Karakterlerin Stabilitelerinin Belirlenmesi** *1. Turhan Kahraman* *2. Ferhat Demirhan*
17.09.2026 PERŞEMBE / THURSDAY 09:40–09:50	**Kuru Bezelye (*Pisum sativum* L.) Genotiplerinin Çukurova Bölgesindeki Tarımsal Potansiyellerinin Araştırılması** *1. Dürdane Mart* *2. Meltem Türkeri* 3. *İmadettin Özkaya*
09:50–10:00	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ARA / BREAK • 15 dk / min (10:00–10:15)

AYDIN BEY SALONU / OTURUM / SESSION S2-O04 • Tahıl ve Baklagiller / Cereals and Legumes

Oturum Başkanı	Prof. Dr. Ahmet Latif TEK
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 10:15–10:25	**Tarımsal Topraklarda ve Tahıl Üretim Sistemlerinde Mikroplastikler** *1. Feride Öncan Sümer*
17.09.2026 PERŞEMBE / THURSDAY 10:25–10:35	**Bazı Nohut (*Cicer arietinum* L.) Genotiplerinin Kışlık Performanslarının Araştırılması.** *1. Dürdane Mart*
17.09.2026 PERŞEMBE / THURSDAY 10:35–10:45	**Effects of Seed Treatment with a Zinc-Containing Biostimulant on Yield and Yield Components of Chickpea (*Cicer arietinum* L.)** *1. Aykut Şener* *2. Muharrem Kaya* *3. Cengiz Büyükdığan*
17.09.2026 PERŞEMBE / THURSDAY 10:45–10:55	**İleri Kademe Makarnalık Buğday (*Triticum durum* L.) Hatlarının Diyarbakır Koşullarında Bazı Fizyolojik Ve Agronomik Özellikler İle Tane Verimi Yönünden Değerlendirilmesi** *1. Merve Bayhan* *2. Remzi Özkan* *3. Cuma Akıncı*
17.09.2026 PERŞEMBE / THURSDAY 10:55–11:05	**Impact of Soil Water Content on Wheat Root Plasticity in Vertical and Horizontal Soil Zones** *1.Ali Yiğit* *2.Chirstina-Luise Ross* *3. Osman Erekul* *4.Timo Kautz*

Oturum Başkanı	Prof. Dr. Ahmet Latif TEK
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
11:05–11:15	Soru–***Cevap / Değerlendirme (Q&A / Discussion)***

ARA / BREAK • 15 dk / min (11:15–11:30)

AYDIN BEY SALONU / OTURUM / SESSION S2-O05 • Tahıl ve Baklagiller / Cereals and Legumes

Oturum Başkanı	Prof. Dr. Hatice BOZOĞLU
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 11:30–11:40	**Farklı Arpa Genotiplerinin Çimlenme Ve Fide Döneminde Tuza Dayanıklılığının Belirlenmesi Özet** *1.Melda Kırlı* *2.Yakup Onur Koca* *3.Osman Erekul*
17.09.2026 PERŞEMBE / THURSDAY 11:40–11:50	**Tritikalede Tuzluluğun Çimlenme Ve Erken Fide Gelişimi Üzerine Etkisi Özet** *1.Melda Kırlı* *2.Yakup Onur Koca* *3.Osman Erekul*
17.09.2026 PERŞEMBE / THURSDAY 11:50–12:00	**Kuru Ve Sulu Koşullarda Ekmeklik Buğday (*Triticum aestivum* L.) Genotiplerinde Fizyolojik Özellikler İle Tane Verimi Arasındaki İlişkiler** *1. Remzi Özkan* *2. Merve Bayhan* *3. Mehmet Yıldırım*
17.09.2026 PERŞEMBE / THURSDAY 12:00–12:10	**Yield Performance and Stress Susceptibility of Bread Wheat Genotypes under Rainfed and Irrigated Field Conditions** *1. Nisa Nur Fidan* *2. Huseyn Baghırlı* *3. Volkan Yeşil* *4. Gülsüm Boztaş* *5. Mustafa Özgür Tatar*
17.09.2026 PERŞEMBE / THURSDAY 12:10–12:20	**Türkiye'de Arpa, Buğday Ve Mısır Üretiminde Yoğunlaşma Analizi (2011–2025)** *1. Erdal Erkan* *2. Altuğ Özden*
*12*17.09.2026 PERŞEMBE / THURSDAY 12:20–12:30	**The Effect of Different Sowing Densities on Yield and Certain Quality Traits of Buckwheat** *1. Şaziye Dökülen* *2. Çiğdem Uslu*
12.30-12.40	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ÖĞLE ARASI / LUNCH BREAK • 60 dk / min (12:30–13:30)

AYDIN BEY SALONU / OTURUM / SESSION S2-O06 • Tahıl ve Baklagiller / Cereals and Legumes

Oturum Başkanı	Prof. Dr. Mustafa Özgür TATAR
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 13:30–13:40	**Evaluation of Vegetative Growth in Maize Hybrid Combinations Using Uav-Based Multispectral Camera Imagery** *1. Hatice Tuğcu* *2. Fatma İnci* *3. Aliye Yildirim Keskinoglu* *4. Emre İlker*
17.09.2026 PERŞEMBE / THURSDAY 13:40–13:50	**"B" Chromosomes in *Aegilops* Species** *1. Solmaz Najafı* *2. Mina Najafı*
17.09.2026 PERŞEMBE / THURSDAY 13:50–14:00	**Determination of Field Reactions of National Durum and Bread Winter Wheat Lines against Root Rot Pathogens (*Fusarium culmorum* and *Bipolaris sorokiniana*)** *1. Sumeyye Erdogmus Bagceci* *2. Orhan Büyük* *3. Nilüfer Akci* *4. Melis Seidi Arslan* *5. Ümran Küçüközdemir* *6. Bayram Özdemir* *7. İrfan Öztürk* *8. Lütfü Demir* *9. Savaş Belen*
17.09.2026 PERŞEMBE / THURSDAY	**Bioinformatics Mapping and Genome Dynamics of Transposable Elements in Field Crops: A Legume Perspective on Agriculture**

Oturum Başkanı	Prof. Dr. Mustafa Özgür TATAR
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
14:00–14:10	*1. Ahmet L. Tek*
17.09.2026 PERŞEMBE / THURSDAY 14:10–14:20	**Buğdayda Ekim Zamanı Ve Gübre Uygulamalarının Tane Verimine Etkisi** *1. Damla Balaban Göçmen* *2. Fatih Özkaya* *3. İsmet Başer* *4. Oğuz Bilgin* *5. Alpay Balkan*
14:20–14:30	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ARA / BREAK • 15 dk / min (14:30–14:45)

Oturum Başkanı	Prof. Dr. İsmet BAŞER
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 14:45–14:55	**Bazı Yulaf Genotiplerinin *Fusarium* Türlerine Karşı Reaksiyonlarının Belirlenmesi** *1. Nilüfer Akci* *2. Turhan Kahraman* *3. Batuhan Büyük*
17.09.2026 PERŞEMBE / THURSDAY 14:55–15:05	**Genotypic Variation in Physio-Morphological Characteristics in Wheat Genotypes** *1. Huseyn Baghırlı* *2. Tamara Heydarova* *3. Mustafa Özgür Tatar*
17.09.2026 PERŞEMBE / THURSDAY 15:05–15:15	**Effect of Priming Applications at Different Sowing Times on Yield and Yield Components of Bread Wheat** *1. Canser Dolgun* *2. Esra Aydoğan Çifci*
17.09.2026 PERŞEMBE / THURSDAY 15:15–15:25	**Çok Yıllık Buğday (*Thinopyrum* spp.) Genotiplerinde Ekim Yoğunluğunun Tane Verimi Üzerindeki Etkisi** *1. Cafer Aşar* *2. Deniz İştipliler* *3. Fatma İnci*
15:25–15:40	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ARA / BREAK • 15 dk / min (15:45–16:00)

AYDIN BEY SALONU / OTURUM / SESSION S2-O08 • Tahıl ve Baklagiller / Cereals and Legumes

Oturum Başkanı	Prof. Dr. Murat TİRYAKİOĞLU
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 16:00–16:10	**Water Use Efficiency of Durum Wheat (*Triticum turgidum* L. ssp. *durum*) Landraces and Modern Cultivars in Two Contrasting Turkish Environments** *1. İbrahim Köken* *2. Ufuk Demirel* *3. Hakan Özkan*
17.09.2026 PERŞEMBE / THURSDAY 16:10–16:20	**Cin Mısırında Tane İriliği Ve Patlatma Metotlarının Patlama Performansına Etkisi** *1. Sabri Gökmen* *2. Büşra Dağlı*
17.09.2026 PERŞEMBE / THURSDAY 16:20–16:30	**Effects of Different Types of Microorganism-Containing Fertilizers and Irrigation Levels on Agro-Morphological and Biomass-Related Traits of Sweet Corn under Greenhouse Conditions** *1. Emine Gülsüm Topal* *2. Ousseini Kiemde* *3. Umut Şen* *4. Birgül Güden* *5. Bülent Uzun*

Oturum Başkanı	Prof. Dr. Murat TİRYAKİOĞLU
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 16:30–16:40	**Molecular Diversity Analysis in Turkish Rye (*Secale cereale* L.)** *1. Ertuğrul Gazi Yanar* *2. Ramazan Arda İnan* *3. Şah İsmail Cerit* *4. Sevgi Avcı* *5. Seydi Aydoğan* *6. Betül Kayıtmazbatır* *7. Sami Doğanlar* *8. Anne Frary*
17.09.2026 PERŞEMBE / THURSDAY 16:40–16:50	**Treatment of Frost Damage in Chickpeas and Lentils with Agrohomeopathic Remedy** *1. Hatice Bozoğlu* *2. Nigar Palavar* *3. Kübra Çakmak*
16:50–17:00	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ARA / BREAK • 15 dk / min (17:00–17:15)

CUMA / FRIDAY

AYDIN BEY SALONU / OTURUM / SESSION S2-O10 • Tahıl ve Baklagiller / Cereals and Legumes

Oturum Başkanı	Prof. Dr. Ufuk DEMİREL
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
18.09.2026 CUMA / FRIDAY 09:00–09:10	**Bazı Nohut Genotiplerinin, Nohutta (*Cicer arietinium*) Ascochyta Yanıklığına Neden Olan *Ascochyta rabiei* (Pass.) Labr. 'Nin Patotiplerine Karşı Reaksiyonları** *1. Sirel Canpolat* *2. Senem Tülek* *3. Abdulaziz Yağmur* *4. Duygu Mermer Doğu* *5. Evren Atmaca* *6. Abdullah Taner Kılınç*
18.09.2026 CUMA / FRIDAY 09:10–09:20	**Reactions of Some Bean Genotypes to Bean Bacterial Diseases (*Pseudomonas syringae* pv. *phaseolicola* and *Xanthomonas phaseoli* pv. *phaseoli*)** *1. Kamil Duman* *2. Sirel Canpolat* *3. Senem Tülek* *4. Abdulaziz Yağmur* *5. Reyhan Karayel Aydın* *6. Evren Atmaca* *7. Abdullah Taner Kılınç*
18.09.2026 CUMA / FRIDAY 09:20–09:30	**Tritipyrum: Story of a Journey from the Lab to the Farm** *1. Solmaz Najafı* *2. Mehmet Ülker* *3. Burak Özdemir*
18.09.2026 CUMA / FRIDAY 09:30–09:40	**Aydın-Didim Ekolojik Koşullarında Zeytin Budama Artıklarının Mısır (*Zea mays* L.) Tarımında Kullanılma Olanaklarının Araştırılması** *1. Osman Erekul* *2. Gülsün Gümüşkesen Sevim*
09:40–10:00	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ARA / BREAK • 15 dk / min (10:00–10:15)

AYDIN BEY SALONU / OTURUM / SESSION S2-O11 • Tahıl ve Baklagiller / Cereals and Legumes

Oturum Başkanı	Prof. Dr. İlkay YAVAŞ
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
18.09.2026 CUMA / FRIDAY 10:15–10:25	**Manisa Ekolojik Koşullarında Bazı Arpa Çeşitlerinin Tane Verim Ve Kalite Özelliklerinin Belirlenmesi** *1. Hasan Akay* *2. Elif Öztürk* *3. Salim Şeker* *4. İsmail Sezer*
18.09.2026 CUMA / FRIDAY 10:25–10:35	**İrmik Rengi Yüksek Kışlık Makarnalık Buğday (*Triticum durum* Desf.) Genotiplerinin Geliştirilmesi** *1. Fatma Budak* *2. Aytekin Aksoy* *3. Taner Akar*
18.09.2026 CUMA / FRIDAY 10:35–10:45	**A Sorghum Breeding Journey: From Genetic Resources to Qtl Pyramiding** *1. Birgül Güden*
18.09.2026 CUMA / FRIDAY 10:45–10:55	**Bazı Ekmeklik Buğday F_1 Melezlerinin Tarla Koşullarında Agronomik Performanslarının Değerlendirilmesi** *1. Neslihan Doruk Kahraman*
18.09.2026 CUMA / FRIDAY *10:55–11:15*	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ARA / BREAK • 15 dk / min (11:15–11:30)

AYDIN BEY SALONU / OTURUM / SESSION S2-O12 • Tahıl ve Baklagiller / Cereals and Legumes

Oturum Başkanı	Doç.Dr. Yakup Onur KOCA
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
18.09.2026 CUMA / FRIDAY 11:30–11:40	**Farklı Çimlenme Sıcaklıklarının Ekmeklik Buğday Genotiplerinde Çimlenme, Erken Fide Gelişimi ve Kök Özellikleri Üzerine Etkilerinin Belirlenmesi** *1. Neslihan Doruk Kahraman*
18.09.2026 CUMA / FRIDAY 11:40–11:50	**A mini review of Bambara groundnut for climate-resilient agriculture and food security in arid and semi-arid regions** *1. Christopher Phiri* *2. Celaleddin Barutçular*
18.09.2026 CUMA / FRIDAY 11:50–12:00	**Atmospheric Cold Plasma for Quality Enhancement of Sunn Pest (*Eurygaster integriceps*) Damaged Bread Wheat: Current Developments and Future Perspectives** *1. Arzu Akın* *2. Yaşar Karaduman*
18.09.2026 CUMA / FRIDAY 12:00–12:10	**Effects of Native Bacterial Inocula on Plant Growth and Nitrogen Nutrition in Sustainable Alfalfa Production** *1. Selçuk Göçmez* *2. Sevda Duygu Coşan*
18.09.2026 CUMA / FRIDAY *12:10–12:30*	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ÖĞLE ARASI / LUNCH BREAK • 60 dk / min (12:30–13:30)

AYDIN BEY SALONU / OTURUM / SESSION S2-O13 • Endüstri Bitkileri / Industrial Crops

Oturum Başkanı	Prof. Dr. Sevgi ÇALIŞKAN
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
18.09.2026 CUMA / FRIDAY 13:30–13:40	**Temporal Characterization of Ctd and Vpd Responses in Cotton Genotypes** *1. Asya Akgöz* *2. Ashraf Baghırlı* *3. Uğur Çakaloğulları*
18.09.2026 CUMA / FRIDAY 13:40–13:50	**Cotton Fiber Quality under Contrasting Water and Nitrogen Regimes** *1. Gülden Deniz Ateş* *2. Mustafa Özgür Tatar*
18.09.2026 CUMA / FRIDAY 14.00–14.10	**Dekanol Katkısının Farklı Oranlarda Harmanlanan Kanola ve Aspir Biyodizeli Yakıt Karışımlarının Fizikokimyasal Özellikleri Üzerine Etkisi** *1. Seda Şahin*
14:20–14:30	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

Bu saat aralığı için oturum planlanmamıştır / No session scheduled for this time slot • 30 dk / min (14:30–15:00)

İSA BEY SALONU

SALON 3 | ÇAYIR-MERA + DİĞER KONULAR

HALL 3 | PASTURE-RANGELAND + OTHER TOPICS

33 çayır-mera + 19 diğer + 11 endüstri | Toplam 63 bildiri • 13 oturum.

33 pasture-rangeland + 19 other + 11 industrial | Total 63 papers • 13 sessions.

PERŞEMBE 17.15–18.00: 45 dakikalık ek oturum (4 sunum + 5 dk değerlendirme). Diğer oturumlar 60 dakika.

THURSDAY 17.15–18.00: a 45-minute additional session (4 papers + 5 min discussion). All other sessions are 60 minutes.

Her sunum 10 dk. Çarşamba oturumlarında 6, diğer standart oturumlarda en fazla 5 sunum. Oturum araları 15 dk; öğle arası 12.30–13.30.

Each presentation is 10 min. Wednesday sessions have 6 papers; other standard sessions have up to 5 papers. Breaks between sessions are 15 min; lunch break is 12.30–13.30.

Renkler anabilim dalını, kalın üst çizgi yeni oturumu gösterir. Yazarlar kaynak sırasındadır; sunucu ayrıca belirtilmemiştir.

Colors indicate the field of study. Authors are listed in source order; the presenting author is not separately indicated.

ÇARŞAMBA / WEDNESDAY

ÇAĞRILI BİLDİRİ / INVITED PAPER

Mera Bitki Örtülerinin Değerlendirilmesinde Yeni Bir Yaklaşım

Ahmet GÖKKUŞ

İSA BEY SALONU / OTURUM / SESSION S3-O01 • Çayır-Mera ve Yem Bitkileri / Pasture-Rangeland and Forage Crops

Oturum Başkanı	Prof. Dr. Ahmet Esen ÇELEN
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
	1.
16.09.2026 ÇARŞAMBA / WEDNESDAY 15:30–15:40	**Investigation of Vegetation Development during the Secondary Succession Process Following a Fire in Çanakkale** *1. Semih Arslan* *2. Harun Baytekin*
16.09.2026 ÇARŞAMBA / WEDNESDAY 15:40–15:50	**Yağışlı ve Kurak Dönemlerde Yarı-Kurak Meranın Kaba Yem Üretimi ve Kamera Görüntüleri ile Tahmin Olanakları** *1. Esra Nur Kök* *2. Onur İleri*
16.09.2026 ÇARŞAMBA / WEDNESDAY 15:50–16:00	**Modern Irrigation Approaches in Forage Crops: Potential Use of Self-Propelled Irrigation Systems** *1. Volkan Gürce* *2. Gülcan Demiroğlu Topçu*
16.09.2026 ÇARŞAMBA / WEDNESDAY 16:00–16:10	**Silajlık Sorgumda (*Sorghum bicolor* L.) Sodyum Azit Uygulamalarının Çimlenme ve Erken Fide Gelişimine Etkileri ile LD50 Dozunun Belirlenmesi** *1. Ayşe Özge Şimşek Soysal* *2. Ömer Eğritaş*
16.09.2026 ÇARŞAMBA / WEDNESDAY 16:10–16:20	**The Effect of Harvest Stages on Silage Quality of Sweet Sorghum Varieties Grown under Second Crop Conditions** *1. Sebiha Erol Uyanık* *2.. Emine Budaklı Çarpıcı*
16.09.2026 ÇARŞAMBA / WEDNESDAY 16:20–16:30	**Farklı Yoğunlukta Otlatılan Meraların Bazı Özelliklerinin Karşılaştırılması** *1. Shamama Khalılova* *2. Onur İleri*

ARA / BREAK • 15 dk / min (16:30–16:45)

İSA BEY SALONU / OTURUM / SESSION S3-O02 • Endüstri Bitkileri / Industrial Crops

Oturum Başkanı	Prof. Dr. Şahane Funda ARSLANOĞLU
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
16.09.2026 ÇARŞAMBA / WEDNESDAY 16:45–16:55	**Reintroduction of Potato Production in Buffer Zones for Potato Wart Disease in Türkiye** *1. Emel Çakır*
16.09.2026 ÇARŞAMBA / WEDNESDAY 16:55–17:05	**Patateste (*Solanum tuberosum* L.) Farklı Gelişme Dönemlerinde Yapraktan Uygulanan Deniz Yosunu Özütü Dozlarının Yumru Mineral Madde İçeriği Üzerine Etkileri** *1. Ramazan İlhan Aytekin* *2. Hasan Dinçdemir* *3. Sevgi Çalışkan*
16.09.2026 ÇARŞAMBA / WEDNESDAY 17:05–17:15	**Effects of Different Fertilizer Applications on Oil Content of Sunflower and Element Content in Seeds and Leaves** *1. Nureddin Öner*
16.09.2026 ÇARŞAMBA / WEDNESDAY 17:15–17:25	**Aspir (*Carthamus tinctorius* L.) Bitkisinde Bor Toksisitesi Altında Glutatyon Uygulama Zamanlamasının Fizyolojik Ve Fotosentetik Yanıtlara Etkisi** *1. Begüm Sargın* *2. Yasemin Ekmekçi*
16.09.2026 ÇARŞAMBA / WEDNESDAY 17:25–17:35	**Early Growth and Phenological Dynamics of Cotton Genotypes Based on Repeated Morphometric Measurements** *1. Ashraf Baghırlı* *2. Uğur Çakaloğulları* *3. Asya Akgöz*
16.09.2026 ÇARŞAMBA / WEDNESDAY 17:35–17:45	**Acibenzolar S-Methyl (Asm) 'İn Ayçiçeği Mildiyösü Hastalığına (*Plasmopara halstedii*) Karşı Etkinliğinin Araştırılması** *1. Abdulaziz Yağmur* *2. Sirel Canpolat* *3. Senem Tülek* *4. Mustafa Portakaldalı* *5. Can Akdeniz*

Bu saat aralığı için oturum planlanmamıştır / No session scheduled for this time slot • 30 dk / min (17:45–18:15)

PERŞEMBE / THURSDAY

İSA BEY SALONU / OTURUM / SESSION S3-O03 • Çayır-Mera ve Yem Bitkileri / Pasture-Rangeland and Forage Crops

Oturum Başkanı	Prof. Dr. Ahmet GÖKKUŞ
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 09:00–09:10	**Bazı yem bezelyesi (*Pisum sativum* ssp. *arvense* L.) çeşitlerinde bakteri uygulamasının tohum verimi ve verim özelliklerine etkisi** *1.Ülker Çetinkaya* *2.Ahmet Esen Çelen*
17.09.2026 PERŞEMBE / THURSDAY 09:10–09:20	**Determination of Forage Yield and Feed Quality of Two Buckwheat Cultivars (*Fagopyrum esculentum* Moench) at Different Cutting Times under Tokat Conditions** *1. Gamze Bayram*
17.09.2026 PERŞEMBE / THURSDAY 09:20–09:30	**Batman İli Farklı Mera Alanlarında Botanik Kompozisyon ve Bitki Taksonlarının Belirlenmesi** *1. Yunus Aktar*
17.09.2026 PERŞEMBE / THURSDAY 09:30–09:40	**Seed Enhancement Technologies for Pasture Rehabilitation** *1. Esra Duru* *2. Behçet Kır*
17.09.2026 PERŞEMBE / THURSDAY 09:40–09:50	**Effects of Different Mowing Times and Nitrogen Rates on the Dual-Purpose Use of Wheat Genotypes** *1. Medına Nasufovıc* *2. Uğur BİLGİLİ*
09:50–10:00	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ARA / BREAK • 15 dk / min (10:00–10:15)

Oturum Başkanı	Prof. Dr. Sebahattin ALBAYRAK
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 10:15–10:25	**Tek Yıllık Çimde (*Lolium multiflorum* Lam.) Farklı Dönemlerde Uygulanan Bitki Büyüme Düzenleyicilerinin (Hormonların) Tohum Verimine Ve Bazı Verim Unsurlarına Etkileri** *1. Melek Akça Pelen* *2. Hülya Okkaoğlu* *3. Erseven Ulus* *4. Ergül Ay* *5. Süleyman Çağır* *6. Hüseyin Özpınar*
17.09.2026 PERŞEMBE / THURSDAY 10:25–10:35	**Tek Yılllık Çimde (*Lolium multiflorum* Lam.) Farklı Biçim Zamanlarının Kuru Madde Verim Ve Yem Kalitesine Etkilerinin Belirlenmesi** *1. Melek Akça Pelen* *2. İpek Koca* *3. Hülya Okkaoğlu* *4. Erseven Ulus* *5. Süleyman Çağır* *6. Hüseyin Özpınar* *7. Ceylan Büyükkileci* *8. Harun Reşit Özdal*
17.09.2026 PERŞEMBE / THURSDAY 10:35–10:45	**Artificial Intelligence-Driven Precision Agriculture in Field Crop Production: Current Applications, Challenges and Future Perspectives** *1. Naziye Naz Günal* *2. Zeynep Selin Şensoy*
17.09.2026 PERŞEMBE / THURSDAY 10:45–10:55	**The Effect of Priming Treatments on Germination in Naturally Aged Alfalfa Seeds** *1. Tamer Yavuz* *2. Mahir Sarıkaya*
17.09.2026 PERŞEMBE / THURSDAY 10:55–11:05	**Aydın ili Büyük Ova Kapsamında Yer Alan Tarım Arazilerindeki Toprakların Organik Karbon Stokları ve Arazi Kullanım İlişkileri** *1.Gönül Aydın*
11:05–11:15	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ARA / BREAK • 15 dk / min (11:15–11:30)

İSA BEY SALONU / OTURUM / SESSION S3-O05 • Çayır-Mera ve Yem Bitkileri / Pasture-Rangeland and Forage Crops

Oturum Başkanı	Prof. Dr. Mevlüt TÜRK
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 11:30–11:40	**Bazı Yem Bezelyesi (*Pisum arvense* L.) Çeşitlerinin Farklı Su Kısıtı Koşullarındaki Morfo-Fizyolojik Tepkileri** *1. Mustafa Yılmaz* *2. Melike Köse* *3. Nagihan Emanet*
17.09.2026 PERŞEMBE / THURSDAY 11:40–11:50	**From Soil to Longevity: An Evaluation of Regenerative Production Systems from a Longevity Perspective in Field Crop Production** *1. Şerife Akkeçeci* *2. Kadir Camcı*
17.09.2026 PERŞEMBE / THURSDAY 11:50–12:00	**Yulaf (*Avena sativa* L.) Genotiplerinin Kuru Ot, Silaj, Tane Verimi Ve Yem Kalitelerinin Belirlenmesi** *1. Turhan Kahraman* *2. Ferhat Demirhan* *3. Ece Coşkun* *4. Fırat Alatürk* *5. İlker Nizam*
17.09.2026	**Multi-Sensor Satellite Data and Machine Learning for Forage Yield Estimation in Wetland Rangelands**

Oturum Başkanı	Prof. Dr. Mevlüt TÜRK
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
PERŞEMBE / THURSDAY 12:00–12:10	*1. Sebahattin Albayrak* *2. Mustafa Güler*
12:10–12:30	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ÖĞLE ARASI / LUNCH BREAK • 60 dk / min (12:30–13:30)

İSA BEY SALONU / OTURUM / SESSION S3-O06 • Çayır-Mera ve Yem Bitkileri / Pasture-Rangeland and Forage Crops

Oturum Başkanı	Prof. Dr. Behçet KIR
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 13:30–13:40	**Farklı Domuz Ayrığı (*Dactylis glomerata* L.) Çeşitlerinin Erken Fide Gelişim Döneminde Tuz Stresine Karşı Morfolojik Tepkilerinin Belirlenmesi** *1. Onur Okumuş* *2. Sudenur Yücekaya* *3. Cengiz Sancak* *4. Cansu Telci Kahramanoğulları* *5. Sema Çakır Öngören* *6. Satı Uzun*
17.09.2026 PERŞEMBE / THURSDAY 13:40–13:50	**Farklı Ekim Sıklıkları Ve Birlikte Üretim Sistemlerinin Mısır–Maş Fasulyesi Karışımlarında Bitkisel Özellikler Ve Toplam Yeşil Ot Verimi Üzerine Etkileri** *1. Eylül Nezahat Süren* *2. Mustafa Kızılşimşek*
17.09.2026 PERŞEMBE / THURSDAY 13:50–14:00	**Kırklareli İli Doğal Meralarının Floristik Benzerliği, Çeşitliliği Ve Vejetasyon Yapısı** *1. Canan Şen* *2. Yahya Tuncay Tuna*
17.09.2026 PERŞEMBE / THURSDAY 14:00–14:10	**Farklı Tekyıllık Çim (*Lolium multiflorum* L.) Çeşitlerinin Sakarya Ekolojik Koşullarındaki Ot Ve Tohum Verimleri Performanslarının Belirlenmesi** *1. Mustafa Yılmaz* *2. Melike Köse*
14:10–14:30	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ARA / BREAK • 15 dk / min (14:30–14:45)

İSA BEY SALONU / OTURUM / SESSION S3-O07 • Çayır-Mera ve Yem Bitkileri / Pasture-Rangeland and Forage Crops

Oturum Başkanı	Prof. Dr. Mustafa YILMAZ
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 14:45–14:55	***Gypsophila hispida*'da Sodyum Azid (NaN_3) Uygulamasının Çimlenme Üzerine Etkileri ve Letal Dozun (LD_{50}) Belirlenmesi** *1. Bahriye Nur Yurt* *2. Metin Armağan* *3. Aras Turkoglu*
17.09.2026 PERŞEMBE / THURSDAY 14:55–15:05	**Edirne Koşullarında Yulaf (*Avena sativa* L.) Genotiplerinin Ot Verimi Ve Yem Kalitelerinin Performansı** *1. Turhan Kahraman* *2. Ferhat Demirhan* *3. Ece Coşkun* *4. Fırat Alatürk*
17.09.2026 PERŞEMBE / THURSDAY 15:05–15:15	**Farklı Kamışsı Yumak (*Festuca arundinacea* Schreb.) Çeşitlerinin Erken Fide Gelişim Döneminde Tuz Stresine Karşı Morfolojik Tepkileri** *1. Onur Okumuş* *2. Kübra Ballı* *3. Cengiz Sancak*

Oturum Başkanı	Prof. Dr. Mustafa YILMAZ
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
	4. Cansu Telci Kahramanoğulları *5. Sema Çakır Öngören* *6. Satı Uzun*
17.09.2026 PERŞEMBE / THURSDAY 15:15–15:25	**Elbistan Koşullarında Farklı Azot Dozlarının Süpürge Otu (*Kociha scoparia*)' nın Yeşil Ot Verimi ve Silaj Kalitesine Etkisi** *1. Mustafa Kızılşimşek* *2. Seda Arıkan* *3. Eylül Nezahat Süren* *4. Ali Kabakcı* *5. Seda Temiz*
15:25–15:45	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ARA / BREAK • 15 dk / min (15:45–16:00)

Oturum Başkanı	Prof. Dr. Canan ŞEN
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
17.09.2026 PERŞEMBE / THURSDAY 16:00–16:10	**Bioçar Uygulamasının Tek Yıllık Çim Bitkisinde Tohum Verimi Üzerine Etkileri** *1. Şule Erkovan* *2. Sümeyra Akbaş*
17.09.2026 PERŞEMBE / THURSDAY 16:10–16:20	**Tek Yıllık Çim Yetiştiriciliğinde Yabancı Ot Mücadelesinde Bitki Büyümesini Teşvik Edici Bakterilerin Kullanılması** *1. Halil İbrahim Erkovan* *2. Ruhi Öztürk*
17.09.2026 PERŞEMBE / THURSDAY 16:20–16:30	**Macar Fiği (*Vicia pannonica* Crantz v.)'nde Mutasyon Islahında Sodyum Azit (NaN_3) Doz ve Uygulama Süresinin Belirlenmesi** *1. Ayşe Özge Şimşek Soysal* *2. Ömer Eğritaş*
17.09.2026 PERŞEMBE / THURSDAY 16:30–16:40	**Yem Bezelyesinin Farklı Oranlarda Arpa İle Birlikte Yetiştirilmesinin Ot Verimi Üzerindeki Etkileri** *1. Seda Arıkan* *2. Mustafa Kızılşimşek*
17.09.2026 PERŞEMBE / THURSDAY 16:40–17:00	**Evaluation of the Effect of Nitrogen Rates on the Grain Yield and Some Yield Components of Teff (*Eragrostis tef*) Grass** *1. Ipek Demır* *2. Hakan Geren*
17.09.2026 PERŞEMBE / THURSDAY 17:00–17:10	**The Adaptation Potential of Field Crops in the Mediterranean Region to Climate Change, along with an Examination of Alternative Approaches** *1. Yakup Onur Koca* *2. Burcu Hercan* *3. Osman Erekul*
17.09.2026 PERŞEMBE / THURSDAY 17:10–17:20	**An Evaluation of the Rights of Reformers and Public Servant Reformers in Turkey from the Perspective of Legislation** *1. Kadir Camcı* *2. Şerife Akkeçeci*
17:20–17.45	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

CUMA / FRIDAY

İSA BEY SALONU / OTURUM / SESSION S3-O10 • Diğerleri / Others

Oturum Başkanı	Prof. Dr. Tamer YAVUZ
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
18.09.2026 CUMA / FRIDAY 09:00–09:10	**Artificial Intelligence Applications in Land Consolidation: A Review of Current Approaches** *1. Safiye Pınar Tunalı* *2. Ahmet Selim Arslan*
18.09.2026 CUMA / FRIDAY 09:10–09:20	**The Importance of Canopy Temperature from the Perspective of the Roots** *1. Amine Akgül* *2. Oğuz Önder* *3. Erdinç Savaşlı*
18.09.2026 CUMA / FRIDAY 09:20–09:30	***Xenorhabdus* Ve *Photorhabdus* Bakteri Metabolitlerinin Faydalı Funguslar *Trichoderma* Ve *Metarhizium* Üzerine Etkilerinin Araştırılması** *1. Yağmur Gutay* *2. Selçuk Hazır*
18.09.2026 CUMA / FRIDAY 09:30–09:40	**Plant Resilience and Challenges in a World of Multiple Compound Stresses** *1. Hatice Kübra Gören* *2. Öner Canavar* *3. Uğur Tan*
18.09.2026 CUMA / FRIDAY 09:40–09:50	**Is the Black Sea Region the Insurance of the Future in Agricultural Production of Türkiye?** *1. Hatice Bozoğlu*
18.09.2026 CUMA / FRIDAY *09:50–10:00*	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ARA / BREAK • 15 dk / min (10:00–10:15)

İSA BEY SALONU / OTURUM / SESSION S3-O11 • Diğerleri / Others

Oturum Başkanı	Prof. Dr. Mustafa KIZILŞİMŞEK
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
18.09.2026 CUMA / FRIDAY 10:15–10:25	**The Effect of Intercropping on the Relationships between Competition, Yield, and Quality** *1.Şeref Kayalar* *2.Emre KARA*
18.09.2026 CUMA / FRIDAY 10:25–10:35	**The Importance of Forage Crops in Sustainable Agriculture and the Conservation of Natural Resources** *1. Büşra Kayalar* *2. Mustafa Sürmen*
18.09.2026 CUMA / FRIDAY 10:35–10:45	**A Comparative Analysis of the Carbon Footprints of Major Field Crops in Türkiye** *1. Volkan Yeşil* *2. Beyza Taş* *3. Cavid Huseynov* *4. Ali Mammadov* *5. Mustafa Özgür Tatar*
18.09.2026 CUMA / FRIDAY 10:45–10:55	**Potential Applications of Biophoton Emissions as Complementary Optical Biomarkers in Field Crops** *1. Zeynep Selin Şensoy* *2. Nartane Sena Şensoy* *3. Naziye Naz Günal*
18.09.2026 CUMA / FRIDAY 10:55–11:05	**Assessment of Türkiye's Agroforestry Potential for Truffle Cultivation** *1. Umut Songur* *2. Kemal Çelik* *3. Harun Baytekin* *4. Eda Orun*

Oturum Başkanı	Prof. Dr. Mustafa KIZILŞİMŞEK
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
11:05–11:15	**Determination of the Nutrition Contents of Plants Commonly Cultivated in the Incirliova and Koçarli Distrints of Aydin** *1.Aylin Çıtak Karaefe* *2.Saime Seferoğlu*

ARA / BREAK • 15 dk / min (11:15–11:30)

Oturum Başkanı	Prof. Dr. Emine BUDAKLI ÇARPICI
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
18.09.2026 CUMA / FRIDAY 11:30–11:40	**CMS-Based Hybrid Breeding in Sweet Sorghum** *1.Ousseini Kiemde* *2.Birgül Güden* *3.Bülent Uzun*
18.09.2026 CUMA / FRIDAY 11:40–11:50	**Widespread Polyphyly and Genome Record Inconsistencies in the *Fusarium oxysporum* Species Complex** *1. Yasin Kaymaz* *2. Beyza Akal*
18.09.2026 CUMA / FRIDAY 11:50–12:00	**Türkiye'de Planlı Tarımsal Üretim Kapsamındaki Stratejik Tarla Bitkilerinin Üretim Ve Kendine Yeterlilik Göstergeleri Açısından Karşılaştırmalı Analizi** *1. Ayça Rana Göktaş* *2. Aleyna Yaramış* *3. Osman Orkan Özer*
18.09.2026 CUMA / FRIDAY 12:00–12:10	**Bokashı Kompostu Ve Çayının Kabak Gelişimine Etkisi** *1. Hatice Çıtak Tekoğlu* *2. Yakup Tekoğlu* *3. İlkay Yavaş*
18.09.2026 CUMA / FRIDAY 12:10–12:20	***Tarımsal Üretimde Onarıcı Tarım Yaklaşımı: Söke'de Pamuk Yetiştiriciliği Örneği*** *1.Gönül Aydın*
18.09.2026 CUMA / FRIDAY *12:20–12:30*	***Nutritional Statüs and Nitrate-Nitrite Accumulation in Lettuce and Onions Grown as Winter Crops in Greenhouse in the Manisa -Akhisar Çamönü (Karasonya) Region*** *1.Kübra Aktekin* *2.Saime Seferoğlu*
18.09.2026 CUMA / FRIDAY *12:30–12:40*	***Denizli Ekolojik Koşullarında Karabuğday (fagopyrum esculentum* Moench.*) Çeşitlerinin Bazı Verim Unsuları ve Yem Kalitesi Özelliklerinin Belirlenmesi*** *1.Rıdvan Uçar* *2.Hasan kale* *3.Mahmet Kaplan* *4.Kağan Kökten* *5.Duygu Uskutoğlu* *6.Tansu Uskutoğlu*
18.09.2026 CUMA / FRIDAY *12:30–12:40*	***Soru–Cevap / Değerlendirme (Q&A / Discussion)***

ÖĞLE ARASI / LUNCH BREAK • 60 dk / min (12:40–13:30)

İSA BEY SALONU / OTURUM / SESSION S3-O13 • Endüstri Bitkileri / Industrial Crops

Oturum Başkanı	Prof. Dr. Ahmet Zeybek
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
18.09.2026 CUMA / FRIDAY 13:30–13:40	**Organic Cotton: Environmental Sustainability, Production Practices, and Future Outlook** *1. Şerife Balcı*

Oturum Başkanı	Prof. Dr. Ahmet Zeybek
Saat / Time	**Bildiri Başlığı ve Yazarlar / Paper Title and Authors**
18.09.2026 CUMA / FRIDAY 13:40–13:50	**Evaluation of Yield and Yield Components of Some Safflower (*Carthamus tinctorius* L.) Genotypes Developed under Transitional Zone Conditions** *1. Ceyda Nur Yurdagül* *2. Ferda Çelikoğlu Koşar* *3. Arzu Köse*
18.09.2026 CUMA / FRIDAY 13:50–14:00	**The Effect of Water-Limited Conditions on Fiber Quality Characteristics in Different Cotton (*Gossypium hirsutum* L.) Varieties** *1. Hüseyin Erdikli* *2. Mehmet Ali Ul*
18.09.2026 CUMA / FRIDAY 14:00–14:10	**Developing Software with Flutter for Variety Identification and Purity Determination in Cotton Plants Using Ssr Markers** *1. Ahmet Okumuş* *2. Mustafa Yavuz Okumuş*
18.09.2026 CUMA / FRIDAY 14:10–14:20	**Effect of High-Temperature Conditions on Seed Cotton Yield and Fiber Quality Traits in Different Cotton (*Gossypium hirsutum* L.) Genotypes** *1. Özgül Başar* *2. Deniz İştipliler*
14:20–14:30	**Effects of Cold Stratification ang Gibberellic Acid on Germination and early Seedlig Growth of *Echinacea purpurea*** 1.*Sıdıka Ekren*

Bu saat aralığı için oturum planlanmamıştır / No session scheduled for this time slot • 30 dk / min (14:30–15:00)

ONLINE SESSIONS

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ONLINE PRESENTATIONS / 16.09.2026

Hall-1, Session-1 / Ankara Local Time: 10 00 - 12 00

ZOOM ID: 833 1287 1999	ZOOM PASSCODE: 161718

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HEAD OF SESSION: Md. Ashikur Jaman Sakib

AUTHORS	AFFILIATION	TOPIC TITLE
Kaoutar EDDARRAJI	Abdelmalek Essaadi University MOROCCO	ABSTRACT : PARAMETRIC ANALYSIS OF SOLVENT CIRCULATION AND ABSORPTION TEMPERATURE IN AN NH_3–H_2O RECOVERY PROCESS FOR GREEN AMMONIA PRODUCTION
Engr. Dr. Sadiq Sius LAWAL Engr. Prof. Katsina Christopher Bala Engr.Prof.Nuhu Ali Ademoh Engr.Prof. Sunday Albert LawaL Engr.Prof.Oyewole Adedipe Engr.Dr.Abutu Josep[h	Federal University of Technology Minna NIGERIA Taraba State University NIGERIA	RESEARCH DIRECTION TOWARDS GREEN BASED COMPOSITES OF CASHEW NUT SHELLS AND NIGERIAN PLANT GUM BINDER FOR ENGINEERING APPLICATIONS.RESEARCH DIRECTION TOWARDS GREEN BASED COMPOSITES OF CASHEW NUT SHELLS AND NIGERIAN PLANT GUM BINDER FOR ENGINEERING APPLICATIONS.
Lawal Mohammed Sabo	Federal University of Technology Minna, Niger State NIGERIA	STRUCTURAL AND LINEAMENT MAPPING OF KUJE AND IT'S ENVIRONS, FEDERAL CAPITAL TERRITORY, ABUJA NIGERIA, USING HIGH RESOLUTION AEROMAGNETIC DATA
Sawaira Moeen	Government College University, Lahore PAKISTAN	CHITOSAN-DERIVED CARBON DOTS/POLYANILINE-NIS2 NANOSTRUCTURE FOR ELECTROCHEMICAL WATER SPLITTING
Ali Akbar Firoozi Ali Asghar Firoozi	Botswana University, Botswana Malaysia National University MALAYSIA	GEOTECHNICAL ENGINEERING OF BIOCHAR-AMENDED AGRICULTURAL SOILS IN SEMI-ARID REGIONS: A FRAMEWORK FOR WATER RETENTION, COMPACTION CONTROL AND EROSION RESILIENCE
Ali Akbar Firoozi Ali Asghar Firoozi	Botswana University, Botswana Malaysia National University MALAYSIA	GEOTECHNICAL ASSESSMENT OF AGRICULTURAL TRAFFICABILITY AND MACHINERY-INDUCED SOIL COMPACTION: A SOIL-WATER-LOAD FRAMEWORK FOR SUSTAINABLE FIELD CROPS
Sabrine Azelmat Khadija El-Moustaqim Mohammed Benchrifa Jamal Mabrouki	Mohammed V University MOROCCO Ibn Tofail University MOROCCO	EFFECTS OF SOLAR THERMAL HEATING ON THE MICROCLIMATE OF AN AGRICULTURAL GREENHOUSE DURING THE COLD SEASON
Adeniyi Boluwaji . M Adeniyi Tomiwa . E Alamu Olajumoke . B Adeyeye Mariam . A Babatunde Muhees . A	Nigerian Stored Products Research Institute NIGERIA Ladoke Akintola University of Technology NIGERIA	SENSORY EVALUATION OF PUFF-PUFF PRODUCED FROM WHEAT, HIGH-QUALITY CASSAVA FLOUR AND PIGEON PEA FLOUR COMPOSITE BLENDS
Md. Ashikur Jaman Sakib	Hajee Mohammad Danesh Science and Technology University BANGLADESH	DESIGN AND FABRICATION OF A SMART SOIL MONITORING SYSTEM FOR REAL-TIME MEASUREMENT OF MOISTURE, TEMPERATURE, AND PH

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ONLINE PRESENTATIONS / 16.09.2026

Hall-2, Session-1/ Ankara Local Time: 10 00 - 12 00

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HEAD OF SESSION: Mohammed Waheeb

AUTHORS	AFFILIATION	TOPIC TITLE
Johnson Bisi Oluwagbemi Racheal S. Akinbo	MacPherson University NIGERIA Federal University of Technology, Akure NIGERIA	AGRI-MULTINET: MULTIMODAL INTELLIGENCE FOR IMPACT-BASED WEATHER PREDICTION AND AGRICULTURAL RESILIENCE IN TROPICAL AFRICA
Olukemi I. Adediran Abiola E. Ojeleye	Ahmadu Bello University NIGERIA Osun State University NIGERIA	MINERAL CONTENT OF GRAIN AMARANTH (AMARANTHUS SPP.) ACCESSIONS IN RESPONSE TO FERTILIZER TYPE AND RATE
Bamidele Abdulwasiu Aremu	Federal Polytechnic Kaltungo NIGERIA	EXPLAINABLE MACHINE LEARNING FOR MAIZE YIELD-RISK PREDICTION AMONG SMALLHOLDER FARMERS IN KWARA STATE, NIGERIA
Yunisa Yahaya Idris Ibrahim Edoka Romanus Mohammed Yakubu Onimisi Atayi Ibrahim Steven Konto	Kogi State College of Education (Technical) NIGERIA	DESIGN AND CONSTRUCTION OF A 5 KVA SOLAR INVERTER AUTOMATED CROP IRRIGATION SYSTEM USING IOT
Otse Moses Okpekwu Idowu Olugbenga Adewumi Oladimeji Samuel Taiwo Ojo Akeem Olayemi	Federal College of Agriculture NIGERIA	A MACHINE LEARNING-BASED PREDICTIVE MAINTENANCE FRAMEWORK FOR EARLY DETECTION OF AGRICULTURAL MACHINERY FAILURES
Mohammed Waheeb	Hashemite University JORDAN	SMART PALM CULTIVATION AND MECHANIZATION – THE MEDJOOL DATE AS A MODEL FOR INTEGRATING MODERN TECHNOLOGIES AND ARTIFICIAL INTELLIGENCE
S Sivasakthi	G. Venkataswamy Naidu College INDIA	AN EXPLAINABLE MACHINE LEARNING FRAMEWORK FOR PADDY YIELD PREDICTION USING SOIL, WEATHER, AND HISTORICAL AGRICULTURAL DATA
Carolina Cervera Torres ManojKumar Arthikala Kalpana Nanjareddy	Universidad Nacional Autónoma de México (UNAM) MEXICO	SILENCING OF THE ATP-BINDING CASSETTE TRANSPORTER A2 AFFECTS THE DEVELOPMENT OF INFECTED CELLS IN THE ROOT NODULES OF PHASEOLUS VULGARIS
Ouassila Riouchi Khalid Elkalay	Cadi Ayyad University MOROCCO	EXTRACTION OF OILS FROM CHLORELLA VULGARIS: EXTRACTION METHODS AND BIOTECHNOLOGICAL POTENTIAL

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ONLINE PRESENTATIONS / 16.09.2026

Hall-3, Session-1 / Ankara Local Time: 10 00 - 12 00

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HEAD OF SESSION: A. Rajeswari

AUTHORS	AFFILIATION	TOPIC TITLE
Ouassila Riouchi Khalid Elkalay	Cadi Ayyad University MOROCCO	ANTICANCER ACTIVITY OF OILS EXTRACTED FROM CHLORELLA VULGARIS: BIOTECHNOLOGICAL POTENTIAL AND THERAPEUTIC PERSPECTIVES
Adesemoye E.T. Mba T.V. Okunade F. P. Kayode O. S. Ogunrotimi I. P. Ogunyemi A. B.	Federal University Oye Ekiti NIGERIA	ANTIBIOTIC SUSCEPTIBILITY AND ANTIBACTERIAL ACTIVITY OF WATERMELON SEED EXTRACTS AGAINST BACTERIA ISOLATED FROM AFRICAN LOCUST BEANS (IRU) IN KOGI STATE
R. RAMSHAD KHAN	University College, Kerala INDIA	POST-COVID AGRARIAN RESURGENCE IN KERALA: FROM INCLINATION TO PROSPERITY: A HISTORICAL STUDY
Zakari Aretouyap Nicola Perilli	University of Dschang CAMEROON University of Pisa ITALY	INTEGRATING MACHINE LEARNING AND MULTI-SENSOR REMOTE SENSING FOR CLIMATE-RESILIENT AGRICULTURAL WATER MANAGEMENT IN THE SEMI-ARID REGION OF ADAMAWA, CAMEROON
A. Rajeswari	G. Venkataswamy Naidu College INDIA	AI-POWERED MACHINE LEARNING AND DEEP LEARNING-BASED CORN DISEASE DETECTION AND RECOMMENDATION SYSTEM
Egle JOTAUTIENE Antanas JUOSTAS	Vytautas Magnus University LITHUANIA	CROP HARVESTING PERFORMANCE EVALUATION THROUGH MACHINE TELEMETRY
Sawera Asif Muhammad Bilal Hussain Marwa Waheed Sadia Murtaza Muhammad Afzaal	Government College University Faisalabad PAKISTAN Government College Women University Faisalabad PAKISTAN	FOODBORNE PATHOGEN DETECTION USING SURFACE ACOUSTIC WAVE BIOSENSORS
Nicolas Henrique de Freitas Francisco Antonio Rocco Lahr	University of São Paulo BRAZIL Gaziantep Islam Science and Technology University TÜRKİYE	SIMAROUBA AMARA: VARIATION OF SELECTED PROPERTIES AS A FUNCTION OF MOISTURE CONTENT
Enisa Selimović Sara Pantović Svetlana Jeremić Biljana Arsić Aleksandra Pavlović Emilija Pecev Marinković	Department for Natural Science and Mathematics, State University of Novi Pazar SERBIA State University of Novi Pazar SERBIA University of Niš SERBIA	BIOACCUMULATION FACTORS OF ELEMENTS IN SOME SYMPHYTUM SPECIES

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ONLINE PRESENTATIONS / 16.09.2026

Hall-4, Session-1 / Ankara Local Time: 10 00 - 12 00

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HEAD OF SESSION: Dr B.Mahadevan

AUTHORS	AFFILIATION	TOPIC TITLE
Dr B.Mahadevan	Vellalar College for Women INDIA	INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)-ENABLED AGRICULTURE AMONG FARMERS IN THANJAVUR DISTRICT, TAMILNADU
Jide Olusegun Adedipe	Forestry Research Institute of NIGERIA	DESIGN, DEVELOPMENT, AND EVALUATION OF A SMART AGRICULTURAL AND AGRO-PROCESSING WASTE BIN
Abubakar Sidiq Nurudeen	Federal Polytechnic Kaltungo, Gombe State NIGERIA	MACHINE LEARNING-BASED INTRUSION DETECTION FOR INTERNET OF THINGS (IOT) ENABLED SMART AGRICULTURE: PROTECTING FIELD CROP MONITORING SYSTEMS
Murugesan Kamaraj Naveen Rajesh Nair	SRM Institute of Science and Technology Ramapuram INDIA SRM Institute of Science and Technology, Ramapuram Campus INDIA	OPTIMIZATION OF ENZYME ACTIVITY THROUGH PHYSICOCHEMICAL CONDITIONS FOR ENHANCED BIOTECHNOLOGICAL APPLICATIONS
Aldina Avdić	MB University, Belgrade SERBIA	APPLICATION OF LOCAL EMBEDDING MODELS AND VECTOR DATABASES FOR SEMANTIC INFORMATION RETRIEVAL IN AGRICULTURAL DOMAIN SYSTEMS
Vladana Brodovych	Ivana Franka National University of Lviv UKRAINE	INTEGRATION OF AI-DRIVEN GENOMIC PREDICTION MODELS FOR PARENTAL SELECTION IN MODERN CROP BREEDING
Dr.Rodiah Bt Mohd Hassan Dr. Norazlina Bt Idris Dr. Roshani Bt Othman Dr. Nurhafizah Bt Ibrahim Dr. Noor Asiah Bt Hassan Moohamad Ropaning Sulong Ts. Dr. Norakma Bt Mohd Nor	Selangor University MALAYSIA	EFFECT OF CARBON AND NITROGEN SOURCES AND C:N RATIOS ON NARINGINASE PRODUCTION BY ASPERGILLUS NIGER USING BORASSUS FLABELLIFER PEEL
Maryem ARRAJI	Hassan First MOROCCO	USE OF ARTIFICIAL INTELLIGENCE FOR MEDICATION ADHERENCE ASSESSMENT IN PATIENTS WITH TYPE 2 DIABETES: AN EXPLORATORY STUDY IN MOROCCO USING CHATGPT AND THE VALIDATED GENERAL MEDICATION ADHERENCE SCALE
Aziz Khan Hasib Khan	Aziz SAUDI ARABIA Prince Sultan University SAUDI ARABIA	FRACTIONAL ORDER MATHEMATICAL MODEL OF PLANT CAPTURE CARBON DIOXIDE DYNAMICAL ANALYSIS WITH NEURAL NETWORKING

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ONLINE PRESENTATIONS / 16.09.2026

Hall-5, Session-1 / Ankara Local Time: 10 00 - 12 00

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HEAD OF SESSION: Hossein SHAHSAVAND HASSANI

AUTHORS	AFFILIATION	TOPIC TITLE
Olayemi Ajayi Alimi Omotosho	The Federal University of Technology, Ilaro, Ogun State NIGERIA Department of Art, Design and Printing Technology, The Polytechnic Ibadan, Oyo State NIGERIA Department of Fine Art, The Federal University of Technology, Ilaro, Ogun State NIGERIA	VISUAL STORYTELLING AND DIGITAL BRANDING OF INDIGENOUS FOODS: ENHANCING GASTRONOMY TOURISM AND SUSTAINABLE CULTURAL HERITAGE
Esmer Huseynova	Baku State University AZERBAIJAN	NAHÇIVAN ÖZERK CUMHURIYETI TIBBI BITKI GENETIK KAYNAKLARININ MOLEKÜLER-TAKSONOMIK DEĞERLENDIRILMESI VE KORUMA PERSPEKTIFLERI
Aicha El Oualkadi Karima Hbyaja Yousra Zantara Fatima Gaboun Driss Hmouni	Regional Center of Agricultural Research of Tangier, National Institute of Agricultural Research MOROCCO Ibn Tofail University MOROCCO Abdelmalek Essaadi University (AEU) MOROCCO Regional Center of Agricultural Research of Rabat, National Institute of Agricultural Research (INRA) MOROCCO	PROFILING MOROCCO'S VITICULTURAL HERITAGE: MORPHOLOGICAL AND BIOCHEMICAL ASSESSMENT OF 11 LOCAL CULTIVARS
Abdulfatai, Ibrahim Asema	Federal University of Technology, Minna NIGERIA	GEOGENIC NUTRIENT HOTSPOTS AND PRECISION AGRICULTURE: A CRITICAL REVIEW GEOLOGICAL INHERITANCE AND SITE-SPECIFIC NUTRIENT MANAGEMENT
Peter Oluwagbemiga IGE Precious Omobolanle OGUNDEJI		DIGITAL ELEVATION MODEL IN SOUTHERN NIGERIA MOUNTAINOUS FOREST: A CASE STUDY OF ADO-AWAYE SUSPENDED LAKE HILL
Ayomikun Aderinsola ADENIRAN		COMPARATIVE EVALUATION OF ARTIFICIAL NEURAL NETWORK AND TRADITIONAL REGRESSION-BASED MODELS FOR TECTONA GRANDIS VOLUME PREDICTION IN NIGERIA
Monday Abutu Idakwo Kayode Joshua Simonyan Ifedayo Vincent Ojo	Federal University Lokoja NIGERIA	DEVELOPMENT OF AN ENHANCED FEDERATED LEARNING-BASED FRAMEWORK FOR AUTOMATED TOMATO DISEASE DETECTION
Tukur Ibrahim	Hassan Usman Katsina Polytechnic Katsina NIGERIA	A PORTABLE MULTI-SPECTRAL OPTICAL SENSOR ARRAY FOR REAL-TIME DETECTION OF NITROGEN STRESS IN CEREAL CROPS USING DIFFERENTIAL REFLECTANCE SPECTROSCOPY

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ONLINE PRESENTATIONS / 16.09.2026

Hall-6, Session-1/ Ankara Local Time: 10 00 - 12 00

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HEAD OF SESSION: Tegegne Getachew Legass

AUTHORS	AFFILIATION	TOPIC TITLE
Frank Doutimibraladei Timothy Chinedu James Ujam	Federal University Otuoke NIGERIA	DESIGN AND IMPLEMENTATION OF INTELLIGENT IRRIGATION SYSTEM FOR AGRICULTURAL PRACTICES
Salwa BAADAOUI mohamed Sadiki Achraf KHEDDARI Abdeslam TALEB	Hassan II University MOROCCO Ibn Tofail University MOROCCO	VULNERABILITY OF AGRICULTURAL AREAS TO FLOOD RISK IN A CONTEXT OF CLIMATE CHANGE: APPLICATION TO THE CITY OF MEKNES, MOROCCO
Tegegne Getachew Legass	Mekdela Amba University ETHIOPIA	PRESERVATION OF SPATIAL ANALYTICITY IN AN EXTENDED RICHARDS EQUATION DESCRIBING MOISTURE FRONT DYNAMICS IN NON-SATURATED SOILS
Abderrahmane Nazih Abdesselam Maatougui Jalal Ettaleby Mourad Baghour	Mohammed First University MOROCCO National Institute of Agriculture Research MOROCCO Mohammed First University, Oujda MOROCCO	MORPHOLOGICAL, BIOCHEMICAL, AND YIELD RESPONSES OF QUINOA (CHENOPODIUM QUINOA WILLD.) TO SALINE IRRIGATION WATER
IMANE BELKAF MUSTAPHA HASNAOUI	Sultan Moulay Slimane university MOROCCO Sultan Moulay Slimane University MOROCCO	EVALUATING THE INFLUENCE OF RAINWATER HARVESTING TECHNIQUES IN STORMWATER AND FLOOD MANAGEMENT IN ARID AND SEMI-ARID REGIONS
Ali Akbar Firoozi Ali Asghar Firoozi	Botswana University, Botswana Malaysia National University MALAYSIA	GEOTECHNICAL DESIGN OF FARM PONDS AND IRRIGATION CANALS IN SEMI-ARID AGRICULTURE: A PERFORMANCE-BASED FRAMEWORK FOR SEEPAGE CONTROL, LINING INTEGRITY AND EROSION RESILIENCE
Ali Akbar Firoozi Ali Asghar Firoozi	Botswana University, Botswana Malaysia National University MALAYSIA	GEOTECHNICAL-HYDRAULIC DESIGN OF AGRICULTURAL TERRACES AND CONTOUR BUNDS FOR SEMI-ARID FIELD CROPS: A PERFORMANCE-BASED FRAMEWORK FOR RUNOFF CONTROL, SLOPE STABILITY AND EROSION RESILIENCE
Ilham Mrabti Hassan Mosaid Karima Laarousi	Sultan Moulay Slimane University MOROCCO University Hassan 1er MOROCCO	DECOMPOSING THE RELATIVE AND INTERACTIVE CONTRIBUTIONS OF CLIMATE CHANGE AND AGRICULTURAL LAND USE CHANGE ON WATER BALANCE DYNAMICS IN THE UPPER OUM ER-RBIA BASIN, MOROCCO
Rania KOUKI Mohamed Dhia ABBASSI Bouthaina DRIDI AL MOHANDES	University of Sousse TUNISIA	EFFECT OF COMPOST JUICE WITH DIFFERENT COMPOSITIONS ON STRAWBERRY (FRAGARIA SPP.) CULTIVATION
Samra Saeed Sammina MAHMOOD	University of Education, Lahore PAKISTAN	PHOENIX DACTYLIFERA FERMENTATION ENHANCES CITRUS LIMETTA COMPOST MATURITY AND MITIGATES IRON INDUSTRY WASTEWATER-INDUCED GENOTOXICITY: A GC-MS AND ALLIUM SATIVUM BIOASSAY EVALUATION

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ONLINE PRESENTATIONS / 16.09.2026

Hall-7, Session-1/ Ankara Local Time: 10 00 - 12 00

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HEAD OF SESSION: MARIA DOLORES HERNANDEZ

AUTHORS	AFFILIATION	TOPIC TITLE
Risto Elenov Kiril Postolov	University Ss. Cyril and Methodius REPUBLIC OF NORTH MACEDONIA	THE IMPACT OF EDUCATED WORKFORCE ON EFFICIENCY AND EFFECTIVENESS IN THE AGRICULTURAL SECTOR
P.N. Awoyemi	Modul University AUSTRIA	AGRICULTURAL EMPLOYMENT DECLINE, STRUCTURAL TRANSFORMATION, AND SUSTAINABLE DEVELOPMENT IN NIGERIA: A REGIONAL ECONOMIC ANALYSIS BENCHMARKED AGAINST EGYPT (2013 – 2023)
Dr Bhawana Pal Dr Bhawana Pal	XIM University INDIA	ROLE OF TRAINING PROVIDED BY GOVERNMENT TRAINING ESTABLISHMENTS IN INDIA IN FOSTERING PUBLIC SERVICE MOTIVATION (PSM): A QUALITATIVE ANALYSIS
Akshathraj Jain Dr. Anjali Ganesh	Mangalore Institute of Technology & Engineering INDIA St. Joseph Engineering College Mangalore INDIA	THE ROLE OF AGRI-FINTECH IN IMPROVING ACCESS TO CREDIT AMONG SMALL FARMERS
MARIA DOLORES HERNANDEZ	Universidad Interserrana del Estado de Puebla Chilchotla MEXICO	ECONOMIC VIABILITY OF HASS AVOCADO PRODUCTION AND ITS PERCEIVED CONTRIBUTIONS TO RURAL DEVELOPMENT IN THE NORTHEASTERN HIGHLANDS OF PUEBLA, MEXICO
Nguyen Thi Kim Phuoc	Kien Giang University VIETNAM	FACTORS AFFECTING THE PROFITABILITY OF MARINE CAPTURE FISHERIES IN AN GIANG PROVINCE
Lamidi Kehinde Felix	Kogi State University Kabba NIGERIA	REPOSITIONING RURAL AGRICULTURAL COMMUNITIES FOR IMPACTFUL AGRICULTURAL VALUE CHAIN IN SUB SAHARAN AFRICA: THE IMPERATIVE OF PUBLIC SECTOR INITIATIVES - CHALLENGES AND OPPORTUNITIES
VORONEANU-POPA Rareș-Vasile CONSTANTINESCU Richard	Grigore T. Popa University of Medicine and Pharmacy of Iași ROMANIA	EUROPEAN UNION DIRECTIVES ON THE AGRICULTURAL SECTOR. LEGISLATIVE PERSPECTIVES
Tasawar Iqbal Sidra Altaf	University of Agriculture PAKISTAN	BIOCOMPATIBLE AND EFFECTIVE: PLANT-BASED NANOPARTICLES FOR ENHANCING DRUG DELIVERY IN RHEUMATOID ARTHRITIS THERAPY
Negin Ramazani	Islamic Azad University IRAN	MODIFIED ATMOSPHERE PACKAGING (MAP) COMBINED WITH OXYGEN SCAVENGERS AND NATURAL ANTIOXIDANTS FOR ENHANCING MICROBIOLOGICAL AND SENSORY QUALITY OF FRESH MEAT UNDER REFRIGERATED STORAGE: CHALLENGES AND OPPORTUNITIES IN DEVELOPING COUNTRIES
Negin Ramazani	Islamic Azad University IRAN	APPLICATION OF NANOTECHNOLOGY AND EDIBLE FILMS CONTAINING PLANT ESSENTIAL OILS (THYMOL, CARVACROL, AND PROPOLIS) IN RED MEAT PACKAGING FOR CONTROLLING OXIDATION AND MICROBIAL GROWTH DURING REFRIGERATED STORAGE

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Hall-1, Session-2 / Ankara Local Time: 12 30 - 14 30

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HEAD OF SESSION: El Hassania El Hamzaoui

AUTHORS	AFFILIATION	TOPIC TITLE
FATNA ZAABOUL Khalil HAMMANI abdelghani nabloussi abdelghani bouchyoua said louahlia Souhaila SENHAJI Abdelmajid KHABBACH said bouhraoua	Sidi Mohamed Ben Abdellah University MOROCCO National Institute of Agricultural Research MOROCCO	RESPONSE OF CROPS TO SALINITY STRESS: A LITERATURE REVIEW OF TOLERANCE MECHANISMS AND SCREENING STRATEGIES IN RAPESEED (BRASSICA NAPUS L.)
Ayobami Adedokun	Federal University of Technology Akure NIGERIA	DEVELOPMENT OF A RANDOM FOREST MODEL BASED SOIL QUALITY ASSESSMENT AND CROP RECOMMENDATION SYSTEM
El Hassania El Hamzaoui	Sultan Moulay Slimane University MOROCCO	SOIL FERTILITY AND PHYSICOCHEMICAL PROPERTIES ACROSS SOIL DEPTH UNDER CONVENTIONAL AND NO-TILLAGE SYSTEMS IN SEMI-ARID CONDITIONS
Ouali Abdelouahad Abderrazak Mabrouki Fatima Hiouani Chafia Tir Madani Djamila	Mohamed Khider University, Biskra ALGERIA Mohamed Boudiaf University of M'Sila ALGERIA	SOIL PHYSICAL IMPROVEMENT AND BARLEY YIELD RESPONSE TO ORGANIC AMENDMENTS IN A SEMI-ARID CALCAREOUS SOIL
Shahed Mahmud	Sher-e-Bangla Agricultural University BANGLADESH	EVALUATING NANO-SULFUR AND GYPSUM INTERACTIONS WITH SALICYLIC ACID TO ENHANCE SEED AND OIL YIELD IN PERILLA (PERILLA FRUTESCENS L.)
EWETOLA Esther. A. ADEKUNLE Adebola B.	Ladoke Akintola University of Technology NIGERIA	EFFECT OF SELECTED VEGETATIONS ON SOIL PHYSICAL AND CHEMICAL PROPERTIES AND CARBON SEQUESTRATION
Abdulrazaq Izuafa Ayobami Josiah Aderemi Oluwafemi Adebayo Oyewole Rasheed Olakitan Oyewale Olabisi Peter Abioye	Federal University Birnin Kebbi NIGERIA Federal University of Technology, Minna NIGERIA	EVALUATION OF SELENIUM–ZINC NANOCHITOSAN AND PHOSPHATE-SOLUBILIZING BIOFERTILIZER FOR IMPROVING SOIL MICROBIAL ACTIVITY AND GROWTH OF MAIZE AND COWPEA
Hasna Hajjaj Kacem Makroum Khalid Ibno Namr Assia Harkani Hanane Ouhemi Abdellah El-Aissaoui	University Chouaïb Doukkali MOROCCO National Institute of Agronomic Research MOROCCO	MODELING EMI-DERIVED APPARENT ELECTRICAL CONDUCTIVITY TO PREDICT SOIL SALINITY, MOISTURE, AND COMPACTION IN ARID VERTISOL AND CALCIMAGNESIC SOILS
Selomon Afework Yenesew Yihenew G. Selassie Mekuanint Lewoyehu Workneh Ejigu	Bahir Dar University ETHIOPIA Debre Tabor University ETHIOPIA	PRECISION LIME MANAGEMENT FOR SUSTAINABLE POTATO PRODUCTION: EVIDENCE FOR REGENERATIVE SOIL FERTILITY IMPROVEMENT IN ACIDIC SOILS OF NORTHWESTERN ETHIOPIA

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Hall-2, Session-2 / Ankara Local Time: 12 30 - 14 30

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HEAD OF SESSION: Assoc. Prof. Plamen Glogov

AUTHORS	AFFILIATION	TOPIC TITLE
Aurel Nuro Bledar Myrtaj Alma Shehu Bujar Seiti	University of Tirana ALBANIA	AN OVERVIEW ON OCPS, THEIR RESIDUES, PCBS AND PAHS IN CORNFIELD OF LUSHNJE, ALBANIA
Brahim Elhilali Moulay Lafdil Belghiti Abdelhak Saidi Abdelkader Chahlaoui	Moulay Ismaïl University MOROCCO	REGULATORY COMPLIANCE REGARDING IRRIGATION-RELATED RISKS: SPATIAL CONTAMINATION BY METALLIC POLLUTANTS IN THE OUISLANE WADI, MOROCCO
Okuroghoboye Diepreye ITUGHA	Federal University Otuoke, Bayelsa State NIGERIA	TROPHIC TRANSFER DYNAMICS AND BIOMAGNIFICATION OF WEATHERED PAHS AND TRACE HEAVY METALS IN ESTUARINE FOOD WEBS POST-INFRASTRUCTURE DISASTER
Taiwo Husani ADENIJI Abimbola Latifat ADEOSUN Ajarat Tolulope ADENIJI	Federal College of Education, Abeokuta NIGERIA Lagos State University NIGERIA	PHARMACEUTICAL CONTAMINANTS IN WASTEWATER, SOIL, GROUNDWATER AND HIGHER PLANTS IN A SELECTED HOSPITAL IN OGUN STATE, NIGERIA
Dr. Mohd Vaseem Dr. A. I. Amjad Mr. Harshwardhan Singh Ms. Mehak Mahajan	National Institute of Fashion Technology (NIFT) INDIA Defence Institute of Advanced Technology (DIAT) INDIA	AI-BASED WEATHER MANAGEMENT AND CLIMATE INTERVENTION
Ar. Dr. Omer Shujat Bhatti Muzaffar Aziz Iqbal Prof. Dr. Muhammad Asad Ghufran Ar. Fahad Khan	University of Management and Technology (UMT) PAKISTAN PAKISTAN International Islamic University Islamabad (IIUI) PAKISTAN	CLIMATE-RESILIENT SOLUTIONS: THE ANTICIPATED ROLE OF REED BED TECHNOLOGY IN TRANSFORMING RURAL HYGIENE AND WASTE TREATMENT IN PAKISTAN
Fathalah ELWAHAB Sang-bok Lee Mohamed SEDKİ Najiba BRHADDA Rabea ZIRI	Ibn Tofail University MOROCCO Rural Development Administration (RDA), Republic of SOUTH KOREA Regional Center of Agricultural Research of Kenitra MOROCCO	BREEDING FOR CLIMATE RESILIENCE IN MOROCCO: EVALUATION AND SELECTION OF PROMISING F4 RICE LINES FOR HIGH YIELD AND STRESS TOLERANCE
K.R. Padma	Sri Padmavati Mahila Visvavidyalayam (Women's University) INDIA	SUSTAINABLE INTEGRATED FARMING: A PATHWAY TOWARDS CLIMATE-RESILIENT AGRICULTURAL DEVELOPMENT
Givi Duchidze	David Agmashenebeli Georgian National Defence Academy GEORGIA	PRIORITY DIRECTIONS OF MULTI-CRITERIA ASSESSMENT AND STRATEGIC MANAGEMENT OF FOOD SECURITY RISKS

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Hall-3, Session-2/ Ankara Local Time: 12 30 - 14 30

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HEAD OF SESSION: Assoc. Prof. Plamen Glogov

AUTHORS	AFFILIATION	TOPIC TITLE
Assoc. Prof. Plamen Glogov	Forest Research Institute - Bulgarian Academy of Sciences BULGARIA	INVASIVE ALIEN PLANTS IN THE SOUTHERN SALTWORKS OF ATANASOVSKO LAKE, BULGARIAN BLACK SEA COAST
ADENIPEKUN SHITU	Federal University Oye Ekiti NIGERIA	ETHNOGRAPHIC STUDY OF RAPIDLY URBANISING COMMUNITY IN NIGERIA: CAN BUILDING LAYOUT AND INFORMAL STREET TRADING FACILITATE SUSTAINABLE URBAN COMMUNITY DEVELOPMENT?
Pooya Shahinkhoo	University of Hohenheim GERMANY	REGENERATIVE PLANT PROTECTION: REBUILDING AGRICULTURAL ECOSYSTEMS FOR BIODIVERSITY CONSERVATION, CLIMATE RESILIENCE, AND SUSTAINABLE FOOD PRODUCTION
Le Tran Thanh Liem Huynh Thi Kim NHU Nguyen Thi Thanh NGAN	Can Tho University VIETNAM	GREENHOUSE GAS EMISSIONS AND ENERGY CONSUMPTION IN PADDY RICE CULTIVATION IN ASIA: ECOSYSTEMS, MECHANISMS, AND TRANSITION SOLUTIONS
Afaq Ahmad	Modern College of Business and Science OMAN	SUSTAINABLE AGRICULTURE FOR A RESILIENT FUTURE
Andrea USZKAI	ELTE Centre for Economic and Regional Studies Institute for Regional Studies HUNGARY	THE SOCIAL AND SPATIAL DIVERSITY OF PERMACULTURE FARMING IN HUNGARY
Nodar Sulashvili Margarita Beglaryan Maka Buleishvili Mariam Darbaidze Nana Gorgaslidze Nato Alavidze Irina Imerlishvili Marika Sulashvili Lasha Tchelidze Marina Giorgobiani Vira Kravchenko Olga Shapoval Igor Seniuk Magda Davitashvili Nino Abuladze David Aphkhazava	Georgian International University GIU GEORGIA Georgian National University SEU GEORGIA BAU International University Batumi GEORGIA Tbilisi State Medical University GEORGIA The University of Georgia GEORGIA Yerevan State Medical University After Mkhitar Heratsi ARMENIA European University GEORGIA Caucasus International University GEORGIA Georgian-American University GEORGIA Akaki Tsereteli State University GEORGIA East European University GEORGIA International Black Sea University GEORGIA Georgian Association of Allergology and Clinical Immunology GEORGIA National University of Pharmacy of Ukraine UKRAINE Kharkiv State Medical University UKRAINE Iakob Gogebashvili Telavi State University GEORGIA	THE SCIENTIFIC DISCOURSE ON AGRICULTURE AND FIELD CROP PRODUCTION: CONTEMPORARY STRATEGIES FOR SUSTAINABLE INTENSIFICATION, SOIL HEALTH, CLIMATE RESILIENCE, CROP PRODUCTIVITY AND GLOBAL FOOD SECURITY
Abbas Saleh BAILEY Bello I. MSHELIA Nibron H. MANJAK Abubakar M. KWAMI Daniel Danladi	Abubakar Tafawa Balewa University NIGERIA Karl Kumm University NIGERIA	INTEGRATING TECHNOLOGY, COMMUNITY PARTICIPATION, AND CLIMATE RESILIENCE FOR SUSTAINABLE AGRICULTURAL DEVELOPMENT IN NIGERIA
Ibrahim UMAR Ahmed Mundi YUSUF Yakubu USMAN Buda Mohammed KABIR	Umaru Sanda Ahmadu College of Education, Minna NIGERIA	CLIMATE-SMART AGRICULTURE AND DIGITAL INNOVATION FOR SUSTAINABLE FOOD SECURITY IN NIGERIA: A SYNTHESIS OF RECENT EMPIRICAL EVIDENCE
Njoku J.I.K	Michael Okpara University of Agriculture Umudike NIGERIA	EFFECT OF CLIMATE-SMART TECHNOLOGIES ON FOOD SECURITY AMONG RURAL PIG FARM HOUSEHOLDS IN SOUTH EAST NIGERIA

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Hall-4, Session-2/ Ankara Local Time: 12 30 - 14 30

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HEAD OF SESSION: Terki Mohammed

AUTHORS	AFFILIATION	TOPIC TITLE
Dr Boluwaji Mathew Adeniyi Akinwande Waheedah.O Agboola Ifeoluwa.E	Nigerian Stored Products Research Institute NIGERIA Olusegun Agagu University of Science and Technology NIGERIA Ladoke Akintola University of Technology NIGERIA	EVALUATION OF MEDICINAL ZOBO DRINK FROM HIBISCUS, TURMERIC, AND SOURSOP BLEND FOR CANCER PREVENTION
IFFAT NAYILA HAFSA MALIK SUMAIRA SHARIF	The University of Lahore Sargodha Campus PAKISTAN Superior University PAKISTAN The University of Lahore PAKISTAN	ELUCIDATING THE POTENTIAL OF FAGONIA ARABICA-NANOPARTICLES ON HEPATIC CANCER: AN INNOVATIVE APPROACH TOWARDS CANCER TREATMENT
Miloud Chakit Rajae Karami Mahjoub Aouane Brahim Bourkhiss Jamila Kerouad	Ibn Tofail University MOROCCO Ibn Tofail University, Kenitra MOROCCO Higher Institute of Nursing Professions and Health Techniques of Rabat, Ministry of health and Social Protection MOROCCO	PREVALENCE AND ASSOCIATED FACTORS OF BURNOUT AMONG PUBLIC HEALTHCARE PROFESSIONALS: CASE OF IN IBN SINA HOSPITAL, RABAT, MOROCCO
Dr B.Mahadevan Boomika.M	Vellalar College for Women INDIA	AWARENESS, ACCESSIBILITY, AND UTILIZATION OF GOVERNMENT HEALTH AND EDUCATION WELFARE SCHEMES AMONG TRIBAL COMMUNITIES IN TAMIL NADU: AN EMPIRICAL STUDY
M Annish Shabiya Hemalatha S	B. S. Abdur Rahman Crescent Institute of Science and Technology INDIA	GREEN SYNTHESIS OF NANOPARTICLES USING MICROFLUIDICS LAB-ON-A-CHIP TECHNOLOGY FOR BIOMEDICAL APPLICATIONS
Karunya J R S. Hemalatha	B. S. Abdur Rahman Crescent Institute of Science & Technology INDIA	INHIBITING TRIPLE-NEGATIVE BREAST CANCER PROGRESSION USING LIPOSOMAL-LOADED ALLIUM ASCALONICUM EXTRACT
Mahnoor Khalid Dr. Hafiz Muzzammel Rehman	University of the Punjab PAKISTAN	COMPUTATIONAL SCREENING AND PHARMACOKINETIC PROFILING OF PUBCHEM PHYTOCHEMICALS TARGETING DPRE1 OF MYCOBACTERIUM TUBERCULOSIS
Terki Mohammed	Centre for Research on Scientific and Technical Information (CERIST), Research Unit for the Mediation of Medical, Natural and Life Sciences (RUMES), Tlemcen, ALGERIA	PHYTOCHEMICAL PROFILING AND EVALUATION OF ANTIOXIDANT, ANTIBACTERIAL AND ANTIBIOFILM ACTIVITIES OF N-BUTANOL FRACTIONS FROM TWO ALGERIAN MEDICINAL PLANTS
Lansine Diakité Zineb Lachhab Abdeljalil Elmahdaoui Fatima-ezzahra Derdar Hafida Bouamama Zahra Sokar	Cadi Ayyad University MOROCCO	ACACIA TORTILIS SUBSP. RADDIANA: EFFECTS ON PULMONARY CARCINOGENESIS
Aziz Ezzine Ahmed El Annaoui Sadik Dani Abdelmajid Haddioui Said Bouda	Sultan Moulay Slimane University MOROCCO	ANALYSIS OF PHENOTYPIC VARIABILITY OF CHAMAEROPS HUMILIS L. POPULATIONS IN MOROCCO

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Hall-5, Session-2 / Ankara Local Time: 12 30 - 14 30

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HEAD OF SESSION: Ts. Dr. Norakma Bt Mohd Nor

AUTHORS	AFFILIATION	TOPIC TITLE
Umma Aliyu Idris Abdullahi Nasir Aliyu I. Yardua Ibrahim H. Kankia Salahuddeen Ya'u Mande Usman Umar Muhammad M. Usman	Umaru Musa Yar'adua University NIGERIA	IN VITRO ANTIOXIDANT ACTIVITY OF METHANOLIC LEAF EXTRACT OF FICUS ABUTILIFOLIA
Fatima-ezzahra Jaayefar Jamila Dahmani	Ibn Tofail University MOROCCO	AJUGA IVA L. (CHENDGOURA): A REVIEW OF ITS PHYTOCHEMICAL PROFILE AND BIOLOGICAL FUNCTIONALITIES
Sumaira Sharif	The University of Lahore PAKISTAN	PHYTO-FABRICATION OF GOLD NANOPARTICLES USING MEDICINAL PLANT EXTRACTS: CHARACTERIZATION, ANTIMICROBIAL AND WOUND HEALING POTENTIAL
Aziz Ezzine Ahmed El Annaoui Sadik Dani Abdelmajid Haddioui Said Bouda	Sultan Moulay Slimane University MOROCCO	PATTERNS OF PHENOTYPIC VARIATION IN NATURAL POPULATIONS OF CHAMAEROPS HUMILIS L. ACROSS MOROCCO
AJAYI Morenike Grace ANIOBI Christianah Chinenye	Bamidele Olumilua University of Education, Science and Technology NIGERIA	ANTIOXIDANT ANALYSIS OF THE COMPOSITE MIXTURE OF ETHANOL EXTRACTS OF BITTER LEAF (VERNONIA AMYGDALINA) AND JATROPHA LEAF (JATROPHA TANJORENSIS)
Hanane ARROUD FATNA ZAABOUL Ismail BOUGUETTOUCH Taoufiq benali Khalil HAMMANI Mohamed Libiad Abdelmajid KHABBACH	Sidi Mohamed Ben Abdellah University MOROCCO Cadi Ayyad University MOROCCO 2Laboratory of Natural Resources and Environment, Polydisciplinary Faculty of Taza, Sidi Mohamed Ben Abdallah University, Taza 35 000 MOROCCO Ecology, Systematics and Biodiversity Conservation Laboratory, URL-CNRST N◦ 18, FS, Abdelmalek Es-saadi University, M'Hannech II, Tetouan 93002 MOROCCO	TRADITIONAL KNOWLEDGE RELATED TO MEDICINAL PLANTS OF THE FÈS-MEKNÈS REGION USED IN THE MANAGEMENT OF PERIODONTAL DISEASES: AN ETHNOBOTANICAL APPROACH
Ts. Dr. Norakma Bt Mohd Nor	Selangor University MALAYSIA	EVALUATION OF TOTAL PHENOLIC CONTENT AND ANTIOXIDANT ACTIVITY OF PAPAYA PEEL EXTRACTS OBTAINED USING DIFFERENT SOLVENTS
Shom Prakash Kushwaha	Integral University INDIA	PESTICIDE-INDUCED MODULATION OF PHYTOCHEMICAL COMPOSITION, ANTIOXIDANT CAPACITY AND ANTIDIABETIC POTENTIAL OF MEDICINAL PLANTS
Nedjima Debbou-Iouknane Naima Saidene Amal Ouatah Sadia Benfedala	Agri-Food Technology Research Centre ALGERIA University of Bejaia ALGERIA	MICROWAVE-OPTIMIZED EXTRACTION, HPLC-ESI-MS CHARACTERIZATION OF CHEMLAL (OLEA EUROPAEA L.) OLIVE SEED AND ITS ANTIOXIDANT AND ANTIBACTERIAL BIOACTIVITY
Evelyn Chinye Eze	National Institute for Cultural Orientation (NICO) NIGERIA	INDIGENOUS POULTRY FARMING PRACTICES, HERBAL HEALTHCARE AND CULTURAL CONTINUITY

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Hall-6, Session-2 / Ankara Local Time: 12 30 - 14 30

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HEAD OF SESSION: K. VIGNESH

AUTHORS	AFFILIATION	TOPIC TITLE
Eunice UGAL Dr. Tersoo Paul Terna Faith Chidinma TERNA John Saa-Aondo NYORGWAR Amos UGBEDEOJO	Federal University of Lafia NIGERIA	CHARACTERISATION OF ENDOPHYTIC FUNGI FROM BELL PEPPER (CAPSICUM ANNUUM L.) IN LAFIA, NIGERIA
Nabil ZAARA Jamila DAHMANI Abdelouahed KARTAS Amina OUAZZANI TOUHAMI Souad SKALLI Allal DOUIRA	Ibn Tofail University MOROCCO Mohammed V University MOROCCO	INFLUENCE OF CLIMATIC FACTORS AND CULTIVATION SYSTEM ON THE MORPHOMETRIC CHARACTERISTICS OF OLIVES OF THE MOROCCAN PICHOLINE VARIETY (OLEA EUROPAEA L.) CULTIVATED IN THE NORTHERN AND CENTRAL REGIONS OF MOROCCO
Undang Yogi Nirwanto Ristina Siti Sundari Rizky Adi Nugraha Tarigan Shazma Anwar	Universitas Siliwangi INDONESIA Universitas Perjuangan Tasikmalaya INDONESIA Agricultural University of Peshawar PAKISTAN	THE EFFECT OF TOFU WASTE LOF AND NPK ON CUCUMBER GROWTH, YIELD, AND AGRIBUSINESS PROSPECT
Rana Choukri Mohamed FAIZE Mourad BAGHOUR	University Mohammed I, Faculty of Nador MOROCCO University Chouaïb Doukkali, Faculty of Sciences, Dept of Biology, El Jadida MOROCCO University Mohammed I, Faculty of Nador, Department of Biology, Nador MOROCCO	COMBINED EFFECTS OF SHADING AND WATER STRESS ON THE VEGETATIVE GROWTH OF TOMATO (SOLANUM LYCOPERSICUM L. CV. M82 AND CV. M82MUT) GROWN UNDER GREENHOUSE CONDITIO
Mihaela BODEA Andrei BORȘA Anca Corina FARCAȘ Alexandra Raluca BORȘA (BOGDAN) Anamaria CĂLUGĂR Mircea MUNTEAN	University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca ROMANIA	BIOACTIVE STABILITY OF GRAPEVINE LEAVES UNDER POSTHARVEST PRESERVATION: A TECHNO-ECONOMIC PERSPECTIVE
Adewuyi Solomon, Oluwaseyi Ukwu, Noble Uchenna Dauda Nathaniel Enyi, Ikechukwu Jacob	University of Nigeria NIGERIA	PHOTOSYNTHETIC PERFORMANCE AND YIELD PREDICTION OF ORANGE- AND WHITE-FLESHED SWEET POTATO GENOTYPES: A MULTI-TEMPORAL CHLOROPHYLL FLUORESCENCE ANALYSIS
MKEDDER Ikram HADDAM Youssouf Hadi SIDHOUM Mohammed TERKI Mohammed GAOUAR Semir Bechir Suheil	Research Unit on the Mediation of Science Tlemcen ALGERIA Applied Genetics in Agriculture, Ecology and Public Health Laboratory Tlemcen ALGERIA Djillali Liabes University ALGERIA	MORPHOMETRIC CHARACTERIZATION OF SOME CHERRY VARIETIES IN TLEMCEN REGION
Nabil Zaara Jamila Dahmani Amina Touhami Ouazzani Souad Skalli Allal Douira		CULTIVATION SYSTEM AND FLORAL BIOLOGY OF OLIVE TREE (OLEA EUROPAEA L.) OF THE MOROCCAN PICHOLINE VARIETY CULTIVATED IN THE NORTHERN AND CENTRAL PART OF MOROCCO
K. VIGNESH	Palar Agricultural College INDIA	SYNTHETIC MICROBIAL CONSORTIA (SYNCOMS) FOR RHIZOSPHERE ENGINEERING
Fardin Ghanbari-maleki Melika Esmaili-Asl Diba Pendareh	Azerbaijan Shahid Madani University IRAN	GENETICALLY MODIFIED AND GENOME-EDITED CROPS FOR ABIOTIC STRESS RESILIENCE: FROM MOLECULAR MECHANISMS TO YIELD STABILITY UNDER FIELD CONDITIONS

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ONLINE PRESENTATIONS / 16.09.2026

Hall-7, Session-2 / Ankara Local Time: 12 30 - 14 30

ZOOM ID: 833 1287 1999 | ZOOM PASSCODE: 161718

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HEAD OF SESSION: Fatima-ezzahra Jaayefar

AUTHORS	AFFILIATION	TOPIC TITLE
Sule Ojonugwa Samuel Ismaila Garba Saidu Yahaya Yusuf	Usmanu Danfodiyo University NIGERIA Federal University NIGERIA	DEVELOPMENT AND PERFORMANCE EVALUATION OF A LOW-COST IOT-BASED SMART IRRIGATION SYSTEM FOR SMALLHOLDER AGRICULTURE
Md. Foysal Ahmmed Sumaiya Akhter	Dhaka College, University of Dhaka BANGLADESH Comilla Victoria Govt College, National University BANGLADESH	DIGITAL CONNECTIVITY AND THE FARM-TO-RETAIL PRICE SPREAD IN BANGLADESH
Fatima-ezzahra Jaayefar Jamila Dahmani	Ibn Tofail University MOROCCO	VALORIZATION OF GLADIOLUS SEGETUM KER-GAWL: A REVIEW OF ITS PHYTOCHEMICAL DIVERSITY AND ANTIPROLIFERATIVE POTENTIAL
Fatima-ezzahra Jaayefar Jamila Dahmani	Ibn Tofail University MOROCCO	VALORIZATION OF LUPINUS PILOSUS MURR.: A REVIEW OF ITS AGRONOMIC POTENTIAL AND TOLERANCE TO CALCAREOUS SOILS FOR SUSTAINABLE AGRICULTURE
Hamid Nadi Hicham Ouhakki Nabila Auajjar Naima Dohou Khalid Yamni Moulay Laarbi Ouahidi	Ibn Tofail University MOROCCO Ibn Zohr University MOROCCO Regional Centre for Education and Training, Rabat-Salé-Kénitra MOROCCO	INTEGRATED ASSESSMENT OF PHYSICOCHEMICAL AND BACTERIOLOGICAL GROUNDWATER QUALITY FOR DRINKING AND IRRIGATION IN THE FEIJA REGION, SOUTHEASTERN MOROCCO
Haruna Abubakar Danyaya Ismail Abdullahi Abdulrashid Yusuf	Hussaini Adamu Federal Polytechnic NIGERIA Binyaminu Usman Polytechnic NIGERIA Sa'adu Zungur University NIGERIA	PHYTOCHEMICALS SCREENING AND ANTIOXIDANT ACTIVITY OF AQUEOUS LEAVES EXTRACT OF HURA CREPITANS (SANDBOX)
Muhammad Usama Mahwish Salman Muhammad Asim Nawaz	Government College University PAKISTAN	SYSTEMATIC INSIGHTS INTO THE ROLE OF PLANT GROWTH-PROMOTING ENDOPHYTIC BACTERIA IN DROUGHT STRESS ALLEVIATION
Fatima-ezzahra Jaayefar Jamila Dahmani	Ibn Tofail University MOROCCO	RESEDA LUTEOLA L. (WELD): A REVIEW OF ITS AGRONOMIC POTENTIAL AND NATURAL DYEING PROPERTIES FOR SUSTAINABLE TEXTILE PRODUCTION
Santoshi Misra	Kaveri University INDIA	STATISTICAL MODELLING OF SEASONAL RAINFALL VARIABILITY AND DEFICIT RISK FOR AGRICULTURAL WATER MANAGEMENT: A CASE STUDY OF TELANGANA

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ONLINE PRESENTATIONS / 16.09.2026

Hall-1, Session-3 / Ankara Local Time: 15 00 - 17 00

ZOOM ID: 833 1287 1999 | ZOOM PASSCODE: 161718

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HEAD OF SESSION: Bernhard KUSTER

AUTHORS	AFFILIATION	TOPIC TITLE
Fardin Ghanbari-maleki Diba Pendareh Mohammad Ahmadabadi	Azerbaijan Shahid Madani University IRAN	INTERACTIVE EFFECTS OF SUCROSE CONCENTRATION AND VESSEL VENTILATION ON IN VITRO SEEDLING GROWTH AND MORPHOPHYSIOLOGICAL RESPONSES OF THYMUS MIGRICUS
Svetlana Jeremić Violeta Jakovljević Enisa Selimović Jelena Đorović Jovanović Stevan Sofronijević	Department for Natural Science and Mathematics, State University of Novi Pazar SERBIA Institute for Information Technologies Kragujevac, University of Kragujevac SERBIA	CAN CAFFEIC ACID AND ITS COPPER COMPLEX PROTECT WHEAT AGAINST FUSARIUM GRAMINEARUM? INSIGHTS FROM A MOLECULAR DOCKING STUDY
Iryna Grinenko	Institute of Food Resources of NAAS UKRAINE	FERMENTATION OF FRUIT AND BERRY CROP LEAVES AS A BASIS FOR THE PRODUCTION OF FUNCTIONAL HERBAL TEAS
Chokri BAYOUDH Yassmine GHRAIRI Afifa MAJDOUB Taoufik BETTAIEB	Regional Research Centre on Horticulture and Organic Agriculture (CRRHAB), IRESA TUNISIA Higher Institute of Biotechnology of Monastir (ISBM), University of Monastir TUNISIA National Agronomic Institute of Tunisia, University of Carthage TUNISIA	EFFICACY OF ROSEMARY AND THYME ESSENTIAL OILS ON PEAR (PYRUS COMMUNIS L.) EXPLANT EVOLUTION ON IN VITRO ESTABLISHMENT PHASE
Aicha El Oualkadi	Regional Center of Agricultural Research of Tangier, National Institute of Agricultural Research MOROCCO	GENETIC IMPROVEMENT OF MOROCCAN STRAWBERRY PRODUCTION: MORPHO-BIOCHEMICAL ASSESSMENT OF ADVANCED MUTANT GENOTYPES
K. Nouwari S. Baammi M. Moussaoui A. Ahmimouji M. Elmamouni H. Soufi M.E. Belghiti	Hassan II University of Casablanca MOROCCO University Mohammed VI Polytechnic University MOROCCO	ESSENTIAL OILS AND BACTERIAL BIOFILMS: IN VITRO EVALUATION AND IN SILICO MODELING AGAINST SHIGELLA
Zainab Bibi	Government College University Faisalabad PAKISTAN	NANOEMULSION-BASED TOPICAL DELIVERY OF NIACINAMIDE LOADED IN JOJOBA OIL: IN VITRO CHARACTERIZATION, ANTIOXIDANT ACTIVITY, AND STABILITY EVALUATION
Azorji JohnPaul Nnawuike Igwe Charles Ekene Iheanacho Juliet Nkeiruka Edore Pamela Umunna Ubochi Kingsley Chinedu Igbokwe Moses Nwachukwu Udodi Chibuike Nzenwa Peter Odinaka Meziobi Thelma Chikerenma	University of Agriculture and Environmental Science NIGERIA Michael Okpara University of Agriculture NIGERIA Alvan Ikoku Federal University of Education NIGERIA	CRISPR-BASED TECHNOLOGY AS AN ENVIRONMENTALLY SUSTAINABLE STRATEGY FOR THE BIOCONTROL OF IMPORTANT AGRICULTURAL INSECT PESTS
Busayo Mutiat Olowe Oluwatosin Kayode Adeyemo Adenike Tumike Ogunsakin Adegboye Abimbola Adefunke Agboola Damilola Abigail Ajewole Seyi Segun	Bamidele Olumilua University of Education, Science and Technology NIGERIA Federal University Oye-Ekiti NIGERIA	ANTIMICROBIAL POTENTIAL AND GC-MS PROFILING OF SECONDARY METABOLITES PRODUCED BY ACTINOMYCETES FROM DIVERSE ENVIRONMENTAL HABITATS IN IKERE-EKITI, NIGERIA

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HEAD OF SESSION: Valery V. Belakhov

AUTHORS	AFFILIATION	TOPIC TITLE
Valery V. Belakhov	Technion – Israel Institute of Technology ISRAEL	THE SUCCESFULL APPLICATION OF HEPTAENE MACROLIDE ANTIBIOTIC AUREOFUNGIN IN AGRICULTURE AS HIGHLY EFFECTIVE ECOLOGICALLY SAFE FUNGICIDE FOR PLANT PROTECTION
Fatima-ezzahra Jaayefar Jamila Dahmani	Ibn Tofail University MOROCCO	SMILAX ASPERA L. (SARSAPARILLA): A REVIEW OF ITS PHYTOCHEMICAL DIVERSITY AND ANTIBACTERIAL POTENTIAL AGAINST PHYTOPATHOGENS
Faith Taiwo Okunlola Abdulrazaq Izuafa Oluwafemi Adebayo Oyewole	Federal University of Technology, Minna NIGERIA Federal University Birnin Kebbi NIGERIA	SCREENING AND ISOLATION OF LYSINE-PRODUCING BACTERIA AND THEIR FERMENTATION OF ENZYMATICALLY HYDROLYZED AGRICULTURAL WASTES
Agbaji Mercy Ene Emmanuel Agada	Joseph Sarwuan Tarka University, Makurdi NIGERIA	ANTIFUNGAL ACTIVITY OF GARCINIA KOLA (BITTER KOLA) ON FUNGAL ISOLATES FROM SPOILT TOMATOES
Mohammad Moneruzzaman Khandaker Shahida Kanwal Mohd Hailmi Sajili	Universiti Sultan Zainal Abidin MALAYSIA	THE EFFECTS OF ALGAL EXTRACTS ON THE GROWTH, FRUIT STRUCTURE, AND DISEASE RESISTANCE OF CAPSICUM ANNUUM (CHILLI)
Souhaila SENHAJI	Faculté des Sciences Dhar El Mahraz de Fès MOROCCO	VALORIZATION OF GRAPEVINE ENDOPHYTIC BACTERIA FOR SUSTAINABLE PROTECTION AGAINST CROWN GALL DISEASE CAUSED BY ALLORHIZOBIUM VITIS
Eva Luz Hernandez-Teyssier Cristobal N. Aguilar-González	Universidad Autonoma de Coahuila MEXICO	REPORTED PHYTOSANITARY PROBLEMS AND CONTROL PRACTICES AMONG HASS AVOCADO GROWERS IN THREE MUNICIPALITIES OF PUEBLA, MEXICO
Pooya Shahinkhoo	University of Hohenheim GERMANY	AI-DRIVEN PRECISION PEST MANAGEMENT FOR REDUCING PESTICIDE USE AND ENHANCING ENVIRONMENTAL SUSTAINABILITY IN AGRICULTURE
Mir-Hassan Moosavy	University of Tabriz IRAN	FOOD SAFETY RISKS IN STORED CEREAL AND LEGUME CROPS: EMERGING MYCOTOXINS, MICROBIAL HAZARDS, AND SUSTAINABLE CONTROL STRATEGIES

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HEAD OF SESSION: Dr B.Mahadevan

AUTHORS	AFFILIATION	TOPIC TITLE
Tahri Nouhayla Mikou Karima Nabloussi Abdelghani	Sidi Mohamed Ben Abdellah University MOROCCO National Institute of Agricultural Research MOROCCO	AGRONOMIC PRACTICES AND TECHNOLOGICAL INNOVATIONS FOR IMPROVING PRODUCTIVITY AND WATER-USE EFFICIENCY IN SESAME (SESAMUM INDICUM L.): A REVIEW
Undang Ristina Siti Sundari Rizky Adi Nugraha Tarigan Shazma Anwar Korkmaz Bellitürk	University of Siliwangi INDONESIA University of Perjuangan Tasikmalaya INDONESIA The University of Agriculture, Peshawar PAKISTAN Tekirdağ Namık Kemal University TÜRKİYE	THE EFFECT OF DIFFERENT LED INTENSITIES AND GROWING MEDIA ON MICROGREENS COWPEA (VIGNA UNGUICULATA L. WALP) AND AGRIBUSINESS POTENCY
Sobia Naseem	Hunan University of Arts and Science CHINA	GREENING FIELD CROP PRODUCTION: ASSESSING THE NEXUS BETWEEN AGRICULTURAL PRODUCTIVITY, RESOURCE EFFICIENCY, AND ENVIRONMENTAL SUSTAINABILITY
Boluwaji Adeniyi	Nigerian Stored Products Research Institute NIGERIA	INTERNATIONAL CONGRESS ON AGRICULTURE AND FIELD CROPS CONGRESS SEPTEMBER 16-18,2026- AYDIN UNIVERSITY
Dr B.Mahadevan	Vellalar College for Women INDIA	SUSTAINABLE PRODUCTION AND MANAGEMENT OF FIELD CROPS IN TAMILNADU
Viliana Vasileva Emil Vasilev Rumen Bazitov Vera Popović Milosav Babić Jela Ikanović Vera Rajičić	Maize Research Institute - Knezha, Agricultural Academy BULGARIA Maize Research Institte, Knezha, Agricultural Academy BULGARIA Agricultural Institute, Stara Zagora, 6000, Agricultural Academy BULGARIA Institute for Field and Vegetable Crops, Novi Sad SERBIA IPN - Institute for the Application of Science in Agriculture, Belgrade SERBIA University of Niš SERBIA	GENOTYPIC VARIATION IN RELATIVE WATER CONTENT OF SILAGE MAIZE HYBRIDS UNDER DROUGHT AND HEAT STRESS
Abdulveli Sirat	Gümüşhane Üniversitesi/ Şiran Mustafa Beyaz MYO TÜRKİYE	ERBAA EKOLOJİK KOŞULLARINDA BAZI İKİ SIRALI ARPA (HORDEUM VULGARE CONVAR. DISTICHON) ÇEŞİTLERİNİN PERFORMANSLARI (PERFORMANCES OF SOME TWO-ROWS BARLEY (HORDEUM VULGARE CONVAR. DISTICHON) CULTİVARS İN ERBAA ECOLOGİCAL CONDİTİONS)
Khizar Ilyas	MNS University of Agriculture Multan PAKISTAN	ECONOMIC EVALUATION AND BIO-ECONOMIC MODELING OF CLIMATE-SMART FIELD CROP TECHNOLOGIES UNDER RESOURCE SCARCITY
Abderrahmane Nazih Abdesselam Maatougui Loubna Eseghir Nadia Houmy Kaoutar Aboukhalid Mourad Baghour	Mohammed First University MOROCCO National Institute of Agriculture Research MOROCCO National Institute of Agricultural Research MOROCCO	PROLONGED GERMINATION IMPROVES THE NUTRITIONAL AND BIOACTIVE PROFILE OF QUINOA (CHENOPODIUM QUINOA WILLD.) SEEDS GROWN IN EASTERN MOROCCO
Ali Akbar Firoozi Ali Asghar Firoozi	Botswana University, Botswana Malaysia National University MALAYSIA	GEOTECHNICAL-HYDRAULIC DESIGN OF SUBSURFACE AGRICULTURAL DRAINAGE FOR SALINITY CONTROL IN SEMI-ARID FIELD CROPS: A PERFORMANCE-BASED FRAMEWORK FOR WATER-TABLE MANAGEMENT, FILTER STABILITY AND LONG-TERM DRAIN FUNCTION

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Hall-4, Session-3 / Ankara Local Time: 15 00 - 17 00

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HEAD OF SESSION: Kateryna Danilova

AUTHORS	AFFILIATION	TOPIC TITLE
Abderrazak Mabrouki Fatima Hiouani Abdelouahad Ouali Madani Djamila	Mohamed Khider University ALGERIA Mohamed Boudiaf University of M'Sila ALGERIA	AGRICULTURAL WASTE VALORIZATION THROUGH DATE PALM RESIDUE COMPOSTING: IMPLICATIONS FOR SOIL QUALITY AND BARLEY PRODUCTION
Ilham Chennak Hind Ghazzaf Soufiane Tahiri Mohammed El Krati Samah Ait Benichou	Chouaïb Doukkali University MOROCCO Hassan II University MOROCCO	AGRONOMIC VALORIZATION OF ORGANIC MUNICIPAL SOLID WASTE COMPOST: MORPHOLOGICAL RESPONSES OF TOMATO AND ALFALFA
fatiha chagane Hamid essabir	Ibn Zohr University MOROCCO	FABRICATION AND CHARACTERIZATION OF BIOMASS-BASED BIOCOMPOSITES
Camila Aparecida Lessa Soares Wellerson de Oliveira Alves da Silva Renata Cássia Campos	Federal University of Viçosa BRAZIL	TECHNOLOGICAL ADVANCES AND SUSTAINABILITY IN THE COFFEE SUPPLY CHAIN: A SCIENTOMETRIC ANALYSIS FROM POST-HARVEST TO THE VALORIZATION OF CO-PRODUCTS
Kateryna Danilova	Institute of Food Resources UKRAINE	TECHNOLOGICAL ASPECTS OF PROCESSING AGRICULTURAL WASTE TO OBTAIN BIOETHANOL
Said ELANZAOUI	Ibn Zohr University MOROCCO	SYNTHESIS BY COPRECIPITATION OF MAGNETIC ACTIVATED CARBON DERIVED FROM WALNUT SAWDUST: APPLICATION TO THE EFFICIENT ADSORPTION OF CATIONIC ORGANIC POLLUTANTS.
Sawaira Moeen Muhammad Ikram	Government College University, Lahore PAKISTAN Government College University Lahore PAKISTAN	MULTIFUNCTIONAL MANGANESE AND ACTIVATED CARBON SUPPORTED SNFE2O4 NANOCUBES FOR WATER OXIDATION AND ELECTROCHEMICAL STORAGE
Camila Aparecida Lessa Soares Wellerson de Oliveira Alves da Silva Renata Cássia Campos	Federal University of Viçosa BRAZIL	TECHNOLOGICAL MAPPING AND BIBLIOMETRIC ANALYSIS OF WASTEWATER TREATMENT FROM COFFEE PROCESSING
Ali Akbar Firoozi Ali Asghar Firoozi	Botswana University, Botswana Malaysia National University MALAYSIA	PERFORMANCE-BASED GEOTECHNICAL STABILIZATION OF AGRICULTURAL ACCESS ROADS USING CROP-RESIDUE ASHES AND PLANT-FIBER REINFORCEMENT: A CIRCULAR-ECONOMY FRAMEWORK FOR SEMI-ARID FIELD-CROP SYSTEMS

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Hall-5, Session-3 / Ankara Local Time: 15 00 - 17 00

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HEAD OF SESSION: Olena Bokiy

AUTHORS	AFFILIATION	TOPIC TITLE
Shakirudeen Adetokunbo Ogunbajo Iyabode Comfort Alemede	Federal University of Technology NIGERIA	THE REPRODUCTIVE PERFORMANCE OF RABBITS (ORYCTOLAGUS CUNICULUS) AS INFLUENCED BY DIETARY LEVELS OF SOYA BEAN (GLYCINE MAX) MILK SIEVATE
Mehdi BOUDRAINE Fathalah ELWAHAB Hamid NADI Youssef ABOUSSALEH	Ibn Tofail University MOROCCO	AGRICULTURAL FOOD-BASED DIETARY PATTERNS AND THEIR RELATIONSHIP WITH NUTRITIONAL STATUS, BODY COMPOSITION, AND PHYSICAL PERFORMANCE
Asmae SMAILI Omar TANANE Latifa EL FARISSI Souad EL HAJJAJİ	Mohammed V University MOROCCO University of Hassan II, Casablanca MOROCCO Technical Center for Plastics and Rubber, Casablanca MOROCCO	FROM AGRI-FOOD WASTE TO SMART FOOD PACKAGING: A SUSTAINABLE APPROACH TO REDUCING PLASTIC USE AND FOOD WASTE
Olena Bokiy	Institute of Food Resources of NAAS UKRAINE	INNOVATIVE PROCESSING OF WHEAT GRAIN WASTE: DIRECTIONS AND ECONOMIC FEASIBILITY
Fwenshimwa Goyol Yarima Georgina Uchey Oyedum Gideon Adesina Babalola Ladi Yunusa Bello	Federal University of Technology, Minna NIGERIA	ASSESSING THE IMPACT OF NATIONAL ROOT CROP RESEARCH INSTITUTE (NRCRI) INFORMATION SERVICES UTILIZATION ON SUSTAINABLE IRISH POTATO PRODUCTION AMONG SMALLHOLDER FARMERS: EVIDENCE FROM PLATEAU STATE, NIGERIA
Alexandra Raluca BORȘA (BOGDAN) Melinda FOGARASI Andrei BORȘA Vlad MUREȘAN Cristina Anamaria SEMENIUC	University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca ROMANIA	REFORMULATION OF PORK SAUSAGES WITH ROSEHIP WASTE POWDER EFFECTS ON PRODUCT QUALITY AND FUNCTIONAL PROPERTIES
Ngozi Catherine Anekwe Emmanuel Kelechukwu Udeafor Joy Sani Oluwafemi Adebayo Oyewole	Federal University of Technology, Minna NIGERIA	APPLICATION OF BACTERIOCIN FOR THE PRESERVATION OF NON-FERMENTED FOOD
Fateme Asadi Touranlou Mobina Moshirian	Tehran University of Medical Sciences IRAN Mashhad University of Medical Sciences IRAN	COLD PLASMA TECHNOLOGY AS A NON-THERMAL DECONTAMINATION STRATEGY FOR FRESH PRODUCE: MECHANISMS, EFFICACY, AND IMPACT ON FOOD QUALITY: A REVIEW
Joshua Ekpenyong	Alex Ekwueme Federal University NIGERIA	HAEMATOLOGICAL AND ENZYMATIC CHANGES IN AFRICAN CATFISH (CLARIAS GARIEPINUS) JUVENILES FOLLOWING EXPOSURE TO CHLOROQUINE PHOSPHATE
Dr. Nwose Dr. Nkwocha	Alex Ekwueme Federal University Ndufu-Alike NIGERIA	COST IMPLICATION OF STARTER BROILER CHICKENS FED DONKEYS' BLOOD-CAECAL BASED-DIETS SUPPLEMENTED WITH AROMATIC PLANTS.

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HEAD OF SESSION: Oana Chindriș-Văsioiu

AUTHORS	AFFILIATION	TOPIC TITLE
Ojo, Oluwasegun Felix Iloba, Amechi Samuel	University of Nigeria, Nsukka NIGERIA	EFFECTS OF FISH PRODUCTION TECHNOLOGIES ON HOUSEHOLD LIVELIHOOD IMPROVEMENT IN DELTA NORTH AGRICULTURAL ZONE, DELTA STATE NIGERIA.
Lawal, I. Kankia, H.I.	Institute of Aquaculture, University of Stirling UK Umaru Musa Yar'adua University NIGERIA	FROM BRAIN-GENE: HOW NILE TILAPIA LARVAE (OREOCHROMIS NILOTICUS) SIGNALS ORGANOPHOSPHATE AND CARBAMATE RISK
Md. Jakir Hossain Saiful Islam Md Azizul Islam	Jatiya Kabi Kazi Nazrul Islam University BANGLADESH	IMPACT OF HEALTH CARE PRIVATIZATION AND SOCIO-ECONOMIC FACTORS IN SHAPING FARMERS' HEALTH OUTCOMES
Oana Chindriș-Văsioiu	Romanian Academy ROMANIA	THE ORGANIC PRODUCTS MARKET IN THE EU – TRENDS, OPPORTUNITIES AND PROSPECTS
Suman Kumar Deepa Kumari	Sharda University INDIA	YOUTH ENGAGEMENT IN AGRICULTURAL ENTREPRENEURSHIP: THE ROLE OF ENTREPRENEURIAL, FAMILY, GOVERNMENT AND COMMUNITY SUPPORT IN SOUTH BIHAR, INDIA
Umar Muhammad Adamu Zakariyau Nuruden Rufai Issa Suleman	Federal University of Health Sciences Azare NIGERIA Federal Polytechnic Oko NIGERIA University of Maiduguri NIGERIA	AGRICULTURAL CREDIT AND GROWTH DYNAMICS IN NIGERIA: A TIME SERIES ASSESSMENT OF FINANCING, INTEREST RATES AND AGRICULTURAL PERFORMANCE
Onuoha L.U. Adiele P.N. U. Kalu Atasie C.N. Onwuka U.R.	Michael Okpara University of Agriculture NIGERIA Abia State Agricultural Development NIGERIA	EFFECT OF PARTICIPATORY TRAINING ON FARMERS' KNOWLEDGE AND ADOPTION OF VEGETABLE VALUE ADDITION TECHNOLOGIES
Vilma Šalkauskienė	Lietuvos Inžinerijos Kolegija LITHUANIA	FACTORS DETERMINING THE SPREAD OF ABANDONED AGRICULTURAL LANDS IN LITHUANIA
Marc Gergess	Lebanese Canadian University (LCU) LEBANON	SUSTAINABLE DEVELOPMENT IN AGRI-FOOD MARKETING STRATEGY: EVIDENCE FROM LEBANON

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HEAD OF SESSION: K.R. Padma

AUTHORS	AFFILIATION	TOPIC TITLE
Fatima-ezzahra Jaayefar Jamila Dahmani	Ibn Tofail University MOROCCO	NEPETA TUBEROSA L. SSP. TUBEROSA: A REVIEW OF ITS ESSENTIAL OIL COMPOSITION AND POTENTIAL APPLICATIONS
Ismaila Garba Saidu Yahaya Yusuf	Usmanu Danfodiyo University NIGERIA Federal University Gusau NIGERIA	DEVELOPMENT AND PERFORMANCE EVALUATION OF AN IOT-BASED GAS-SENSING SYSTEM FOR EARLY DETECTION OF ONION ROT DURING STORAGE
Huma Ikram Rumaisa Zakir Darakhshan J. Haleem	University of Karachi PAKISTAN	NEUROPROTECTIVE EFFECTS OF GREEN TEA EXTRACT ON AGE-RELATED COGNITIVE DECLINE IN A RAT MODEL
Okudu, H.O Nnakwe F.C	Michael Okpara University of Agriculture NIGERIA	EFFECT OF FOOD PRICE CHANGES ON FOOD CHOICES AND DIETARY DIVERSITY AMONG HOUSEHOLDS IN UMUAHIA NORTH LOCAL GOVERNMENT AREA OF ABIA STATE
Olugbemi Peter Wusu	Lagos State University of Education NIGERIA	CLOSING THE RESOURCE LOOP IN AGRICULTURE: MERITS, SHORTCOMINGS AND ECOLOGICAL IMPLICATIONS OF REUSING AGRICULTURAL WASTES FOR SUSTAINABLE FOOD PRODUCTION
Md. Ashikur Jaman Sakib	Hajee Mohammad Danesh Science and Technology University BANGLADESH	DESIGN AND STRUCTURAL PERFORMANCE EVALUATION OF A LIGHTWEIGHT MULTI-PURPOSE AGRICULTURAL DRONE FOR PRECISION CROP SPRAYING USING FINITE ELEMENT ANALYSIS
Lawal Lateef ADEFALU Tunde Rafiu OLAITAN Mary Asipita OLATOYE Sikiru IBRAHIM-OLESIN	University of Ilorin NIGERIA Nigerian Stored Products Research Institute NIGERIA Alex Ekwueme Federal University NIGERIA	ASSESSMENT OF FRUIT RIPENING TECHNIQUES USED BY MANGO TRADERS IN ILORIN METROPOLIS, KWARA STATE, NIGERIA
G. O. Tona	Ladoke Akintola University of Technology NIGERIA	MITIGATING THE EFFECTS OF CLIMATE CHANGE IN RUMINANT LIVESTOCK PRODUCTION TO IMPROVE FOOD SECURITY AND LIVELIHOODS IN NIGERIA
K.R. Padma	Sri Padmavati Mahila Visvavidyalayam (Women's University) INDIA	INTEGRATED FARMING SYSTEMS FOR CLIMATE-RESILIENT AGRICULTURE: EMERGING APPROACHES, RESEARCH PRIORITIES AND FUTURE PERSPECTIVES

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DETERMINATION OF THE MORPHOLOGICAL RESPONSES OF DIFFERENT ORCHARDGRASS (*DACTYLIS GLOMERATA* L.) CULTIVARS TO SALT STRESS DURING THE EARLY SEEDLING GROWTH STAGE

FARKLI DOMUZ AYRIĞI (*DACTYLİS GLOMERATA* L.) ÇEŞİTLERİNİN ERKEN FİDE GELİŞİM DÖNEMİNDE TUZ STRESİNE KARŞI MORFOLOJİK TEPKİLERİNİN BELİRLENMESİ

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ÖZET

Tuzluluk, özellikle kurak ve yarı kurak iklim kuşaklarında bitkisel üretimi sınırlayan başlıca abiyotik stres faktörlerinden biri olup bitki gelişimini yavaşlatarak verim ve kaliteyi olumsuz etkilemektedir. Çok yıllık bir buğdaygil yem bitkisi olan domuz ayrığı (*Dactylis glomerata* L.), geniş adaptasyon yeteneği ve yüksek besin değeri nedeniyle mera ve çayır ıslahında değerli bir potansiyele sahiptir; ancak çeşit düzeyinde tuz stresine verdiği tepkiler yeterince açıklığa kavuşturulmamıştır. Bu çalışmada, üç farklı domuz ayrığı çeşidinin (Amba, Ayfam ve Echelon) erken fide gelişim döneminde artan tuz dozlarına (0, 5 ve 10 dS/m) verdiği morfolojik tepkilerin belirlenmesi amaçlanmıştır. Araştırma, Erciyes

Üniversitesi Ziraat Fakültesi Tarla Bitkileri Bölümü'ne ait ısıtmalı polietilen serada, tesadüf parselleri deneme desenine göre iki faktörlü faktöriyel düzende ve dört tekerrürlü olarak yürütülmüştür. Tuz kaynağı olarak NaCl kullanılmış, tüm saksılar tarla kapasitesine göre düzenli olarak sulanmıştır. Bitki boyu, kardeş sayısı, toprak üstü yaş ağırlık ve kuru ağırlık özellikleri incelenmiştir. Elde edilen veriler varyans analizine tabi tutulmuş, uygulama ortalamaları Tukey çoklu karşılaştırma testi ile gruplandırılmıştır. Sonuçlara göre artan tuz dozu, incelenen tüm özelliklerde istatistiksel olarak önemli ($p<0.01$) azalmalara yol açmış; bitki boyu %24, kardeş sayısı %22, yaş ağırlık %49 ve kuru ağırlık %40 oranında gerilemiştir. Çeşitler arasında bitki boyu ve yaş ağırlık bakımından Echelon çeşidi en yüksek değerleri verirken, en fazla kardeşlenme Amba çeşidinde belirlenmiştir. Çeşit x tuz dozu interaksiyonu yalnızca kuru ağırlıkta istatistiksel olarak anlamlı bulunmuş olup Amba ve Echelon çeşitlerinin orta düzey tuz stresine (5 dS/m) karşı Ayfam'a kıyasla daha toleranslı bir tepki verdiğini ortaya koymuştur. Bitki boyu ve yaş ağırlıkta Echelon öne çıkarken, Amba çeşidi, yüksek kardeşlenme kapasitesiyle öne çıkarak, tuzluluk sorununun görüldüğü çayır ve mera alanlarının ıslahında uygun çeşit seçimi açısından önemli bir alternatif oluşturmaktadır.

Anahtar Kelimeler: *Dactylis glomerata*, tuz stresi, abiyotik stres, fide gelişimi

ABSTRACT

Salinity is among the most important abiotic stress factors restricting crop production worldwide, particularly in arid and semi-arid regions, as it slows plant growth and adversely affects yield and quality. Orchardgrass (*Dactylis glomerata* L.), a perennial cool-season forage grass, holds considerable potential for pasture and rangeland improvement owing to its wide adaptability and high nutritive value; however, cultivar-level responses to salt stress remain insufficiently characterized. This study aimed to determine the morphological responses of three orchardgrass cultivars (Amba, Ayfam and Echelon) to increasing salt doses (0, 5 and 10 dS/m) during the early seedling growth stage. The trial was conducted in a heated polyethylene greenhouse at the Department of Field Crops, Faculty of Agriculture, Erciyes University, following a randomized two-factor factorial design with four replications. NaCl was used as the salt source, and all pots were irrigated regularly according to field capacity. Plant height, number of tillers, shoot fresh weight and shoot dry weight were evaluated. Data were subjected to analysis of variance, and treatment means were separated by Tukey's multiple comparison test. Increasing salt concentration caused statistically significant ($p<0.01$) reductions in all traits examined, with plant height, number of tillers, fresh weight and dry weight decreasing by 24%, 22%, 49% and 40%, respectively, at the highest salt dose. Among cultivars, Echelon exhibited the highest plant height and fresh weight, while Amba produced the greatest number of tillers. The cultivar x salt dose interaction was statistically significant only for dry weight, revealing that Amba and Echelon exhibited a more tolerant response to moderate salt stress (5 dS/m) than Ayfam. Echelon stood out in plant height and fresh weight, while Amba offered an alternative through its high tillering capacity, providing guidance for cultivar selection in the improvement of salinity-affected pastures and rangelands.

Keywords: Orchardgrass, *Dactylis glomerata*, salt stress, cultivar, seedling growth

1. GİRİŞ

Su kıtlığı, toprak tuzluluğu ve azalan toprak verimliliği, küresel bitkisel üretim verimliliğine yönelik başlıca tehditler olarak öne çıkarken (Hanin vd., 2016), iklim değişikliği kurak ve yarı kurak bölgelerde tarımın sürdürülebilirliğini olumsuz etkileyen toprak kalitesi düşüklüğü, arazi bozulması ve çölleşme gibi birçok ekolojik kısıtlamayı da ortaya koymaktadır (Singh ve Chudasama, 2021). Kurak ve yarı kurak bölgelerdeki yeraltı tuzlu su kaynakları, suyun ve tuzun yüzeye doğru hareket ettiği kılcal yukarı akış yoluyla toprağın tuzlanmasına neden olmaktadır (Díaz vd., 2018). Bu durum her yıl yaklaşık 1-2 milyon hektar tarım arazisinin terk edilmesine yol açarak ciddi bir sorun teşkil etmekte ve gıda güvenliğini etkilemektedir (Negacz vd., 2021). Tuzluluk, bitkisel üretimi sınırlayan başlıca abiyotik stres faktörlerinden biri olup bitki gelişimini yavaşlatarak verim ve kaliteyi olumsuz yönde etkilemektedir (Okumuş ve Şekerci 2024).

İklim koşullarındaki değişiklikler ve hızlı nüfus artışı nedeniyle, daha yüksek verim potansiyeline sahip, strese dayanıklı bitki çeşitlerinin geliştirilmesine ihtiyaç bulunmaktadır (Godoy vd., 2021). Ilıman bölgelerde verim ve yem kalitesi üzerinde en büyük etkiye sahip fonksiyonel grup genellikle buğdaygil yem bitkileriyken; *Lolium, Festuca, Dactylis* ve *Phleum* ise bu gruptaki en önemli cinsleri oluşturur. Değişken iklim koşullarındaki yüksek verimliliği ve hastalıklara karşı direnci, domuz ayrığının yüksek ekonomik değerinin temel nedenini oluşturur; bu nedenle bitki, dünya genelinde otlatma ve kuru ot üretimi amacıyla yaygın olarak kullanılmaktadır (Bakhtiari vd., 2019). Yem kalitesi bakımından domuz ayrığı genellikle çok yıllık çimden (*Lolium perenne*) daha düşük seviyede olsa da yaz aylarında dahi yüksek verim sağlar ve abiyotik strese karşı daha dayanıklıdır.

Yapılan araştırmalar incelendiğinde, tuz stresinin bitkilerde büyüme, gelişme ve verim üzerinde olumsuz etkiler yarattığını, aynı zamanda kalite kayıplarına yol açtığını ortaya koymaktadır. Çok yıllık bir buğdaygil yem bitkisi olan domuz ayrığı (*Dactylis glomerata* L.), geniş adaptasyon yeteneği ve yüksek besin değeri nedeniyle mera ve çayır ıslahında değerli bir potansiyele sahiptir; ancak çeşit düzeyinde tuz stresine verdiği tepkiler yeterince açıklığa kavuşturulmamıştır. Bu nedenle yapılan bu çalışmada, domuz ayrığının tuz stresine karşı morfolojik tepkilerini belirlemektir.

MATERYAL VE YÖNTEM

Araştırma, Erciyes Üniversitesi Ziraat Fakültesi Tarla Bitkileri Bölümü'ne ait polietilen serada saksı denemesi olarak yürütülmüştür. Bitki materyali olarak Amba, Ayfam ve Echelon domuz ayrığı çeşitleri kullanılmıştır.

Denemede 20 cm yüksekliğinde ve 23 cm çapında saksılar kullanılmış, her saksıya 3,5 kg toprak doldurulmuştur. Denemede kullanılan toprağın bazı özellikleri Tablo 1'de verilmiştir. Toprak kumlu-tınlı bünyeye sahip, hafif alkali reaksiyonlu ve tuzsuz karakterdedir; bu durum, uygulanan tuz dozlarının etkisinin başlangıç tuzluluğundan bağımsız olarak değerlendirilebilmesini sağlamıştır.

Tablo 1. Deneme materyali olarak kullanılan toprağın bazı fiziksel ve kimyasal özellikleri

Kil (%)	Silt (%)	Kum (%)	Tekstür sınıfı	pH	EC	Organik madde (%)	Fosfor(kg/da)	Kireç (%)
14,56	9,78	75,66	Kumlu-tınlı	7,97	0,184	0,81	6,17	1,60

Toprak saksılara doldurulduktan sonra her saksıya 2,5 g 15-15-15 gübresi uygulanmıştır. Her saksıya 10 adet tohum ekimi yapılmış ve çıkış sonrası her saksıda 5 bitki kalacak şekilde seyreltme işlemi yapılmıştır. Daha sonra tarla kapasitesi dikkate alınarak tuz uygulamalarına başlanmıştır. Tuz kaynağı olarak NaCl (Merck) kullanılmış ve 0 (kontrol), 5 ve 10 dS m^{-1} olmak üzere üç tuzluluk düzeyi oluşturulmuştur. Bitkiler çıkıştan 40 gün sonra hasat edilmiş ve aşağıdaki özellikler belirlenmiştir.

İncelenen özellikler

1.Bitki boyu(cm): Saksıda bulunan beş bitkinin toprak yüzeyi ile en uç noktası arasındaki uzaklık cm olarak ölçülmüş ve ortalamaları alınmıştır.

2.Kardeş sayısı (adet/bitki): Her saksıda bulunan bitkilerde kök boğazı açılarak kardeş sayısı belirlenmiştir.

3.Toprak üstü yaş ağırlık(g/bitki): Serada bulunan saksılardaki beş adet bitki toprak yüzeyi hizasından kesilerek darası alınmış kese kâğıdı ile tartımı yapılmış ve ortalaması alınmıştır.

4.Toprak üstü kuru ağırlık (g/bitki): Yaş ağırlığı alınan bitkiler 65°C'lik etüvde sabit ağırlığa gelinceye kadar bekletilmiş ve tartılarak ağırlıkları alınmış ve ortalaması alınmıştır.

Verilerin İncelenmesi

Araştırma tesadüf parselleri deneme planında iki faktörlü faktöriyel düzenlemede 4 tekerrürlü yürütülmüştür. Araştırma sonucunda elde edilen değerler bilgisayarda 'JMP 13' paket programı ile varyans analizine tabi tutulmuştur. Uygulama ortalamaları TUKEY çoklu karşılaştırma testi ile karşılaştırılmıştır (Snedecor ve Cochran, 1967).

BULGULAR VE TARTIŞMA

Çalışmada incelenen bitki boyu, kardeş sayısı, yaş ağırlık ve kuru ağırlık özelliklerine ait varyans analizi sonuçları, çeşit ve tuz dozu ana etkilerinin tüm özelliklerde istatistiksel olarak yüksek derecede önemli ($p<0.01$) olduğunu göstermiştir. Çeşit x tuz dozu interaksiyonu ise yalnızca kuru ağırlıkta önemli bulunurken ($p<0.01$), diğer üç özellikte önemsiz çıkmıştır (Tablo 2).

Tablo 2. Domuz ayrığı çeşit ve tuz dozu uygulamalarına ait ortalama değerler ve varyans analizi sonuçları

Çeşit	Uygulama	Bitki boyu (cm)	Kardeş sayısı	Yaş ağırlık (g)	Kuru ağırlık (g)
	0 EC	15.43	4.78	6.82	1.17 a
Amba	5 EC	13.53	4.35	6.29	1.18 a
	10 EC	11.48	3.85	3.37	0.67 c
	0 EC	16.93	4.30	5.39	0.94 b
Ayfam	5 EC	14.63	4.03	3.90	0.72 c
	10 EC	12.75	3.20	2.42	0.68 c
	0 EC	17.40	3.82	7.62	1.16 a
Echelon	5 EC	15.43	3.92	6.14	1.03 ab
	10 EC	13.35	3.00	4.29	0.60 c
			Çeşit		
	Amba	13.48 b	4.33 a	5.50 b	1.00
	Ayfam	14.77 a	3.84 b	3.90 c	0.78
	Echelon	15.39 a	3.58 b	6.00 a	0.93
			Uygulama (EC)		
	0 dS m^{-1}	16.58 a	4.30 a	6.61 a	1.88
	5 dS m^{-1}	14.53 b	4.10 a	5.44 b	0.98
	10 dS m^{-1}	12.53 c	3.35 b	3.35 c	0.65
	Çeşit	**	**	**	**
	Uygulama	**	**	**	**
	Çeşit*Uygulama	**öd**	**öd**	**öd**	**

*Aynı sütunda farklı harfle gösterilen ortalamalar arasındaki fark istatistiksel olarak önemlidir. ****:**0.01 seviyesinde önemlidir. **öd:** önemli değildir.

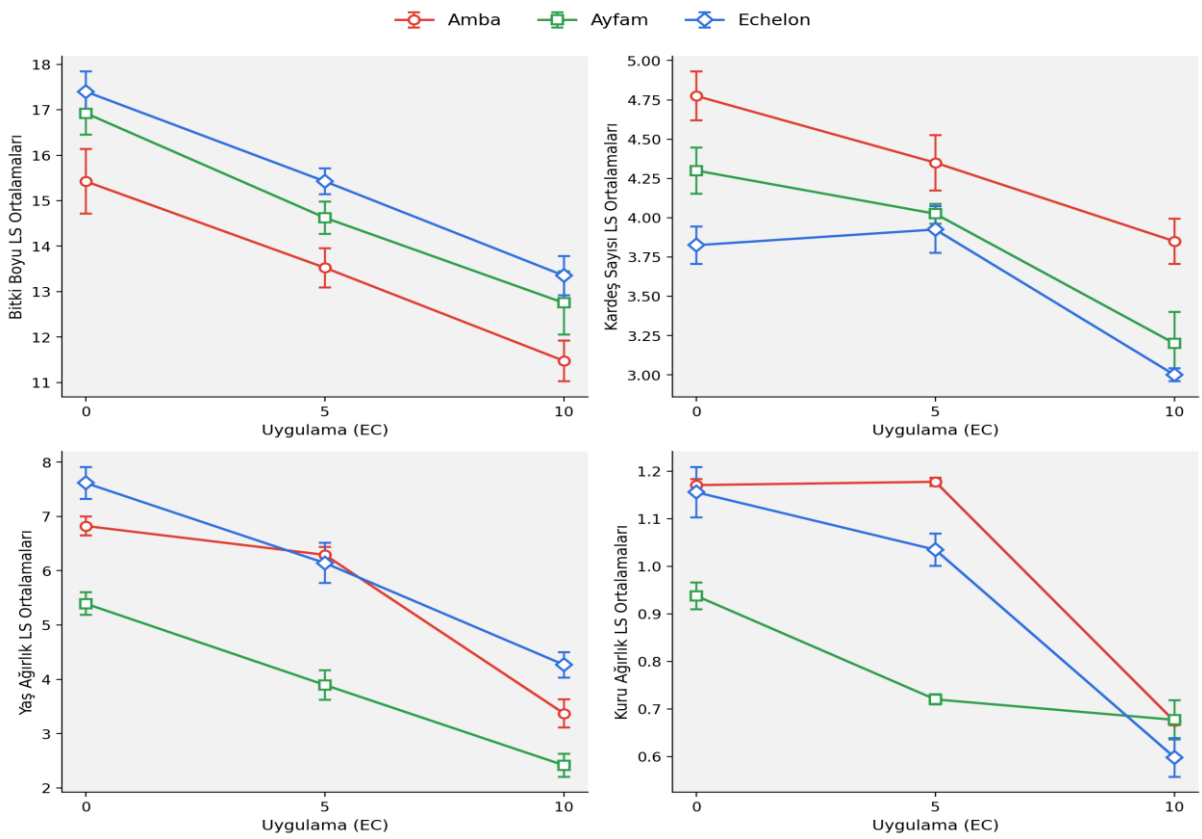
Çeşitler arasında bitki boyu bakımından istatistiksel olarak önemli farklılıklar belirlenmiş; Echelon (15,39 cm) ve Ayfam (14,77 cm) çeşitleri aynı istatistiksel grupta yer alarak en yüksek bitki boyu değerlerini verirken, Amba (13,48 cm) çeşidi anlamlı derecede daha düşük bulunmuştur. Tuz dozu açısından ise her üç doz arasında da (0, 5 ve 10 dS/m) istatistiksel olarak farklı gruplar oluşmuş (sırasıyla 16,58, 14,53, 12,53 cm) ve artan tuz konsantrasyonuyla birlikte bitki boyunda kademeli, dozla orantılı bir azalma gözlenmiştir. En yüksek doz uygulamasında kontrole (0 dS/m) göre bitki boyunda yaklaşık %24 oranında bir gerileme tespit edilmiştir (Tablo 2). Bu sonuçlar, artan tuzluluğun bitki boyu açısından bitki gelişimini azalttığını gösteren önceki çalışmalarla (Niu vd., 2012; Sun vd., 2014; Sun vd., 2018) benzerlik göstermektedir. Aynı ekolojide kamışsı yumakla yürütülen tarla denemesinde de artan sulama suyu tuzluluğunun bitki boyunu 105 cm'den 84 cm'ye düşürdüğü bildirilmiştir (Kaplan vd., 2017).

Çeşit ortalamaları arasında Amba (4,33) en yüksek kardeş sayısına sahip olup istatistiksel olarak ayrı bir grup oluştururken, Ayfam (3,84) ve Echelon (3,58) daha düşük ve birbirine yakın değerlerle aynı istatistiksel sınıfta yer almıştır. Tuz dozu bakımından, kontrol (4,30) ile 5 dS/m uygulaması (4,10) arasında istatistiksel bir fark oluşmazken, kardeş sayısındaki belirgin gerileme yalnızca en yüksek tuz dozunda (10 dS/m; 3,35) ortaya çıkmıştır (Tablo 2). Bu bulgu, domuz ayrığında kardeşlenmenin orta düzey tuz stresine (5 dS/m) karşı nispeten toleranslı olduğunu, ancak yüksek tuz konsantrasyonlarında (10 dS/m) belirgin şekilde baskılandığını göstermektedir. Benzer şekilde, Antony vd., (2023) da tolerant guinea çim (*Panicum maximum*) çeşitlerinde tuzluluk koşulları altında kardeş sayısının arttığını bildirmiştir; bu durum orta düzey tuz stresinin bazı buğdaygil yem bitkisi çeşitlerinde kardeşlenmeyi teşvik edebileceğini desteklemektedir. Ancak literatürde tersi yönde bulgular da mevcuttur; Shah vd., (2020), yulaf (*Avena sativa* L.) genotiplerinde daha fazla kardeşlenen genotiplerin tuzluluğa karşı biyokütle kaybı bakımından daha duyarlı olduğunu bildirmiştir. Bu durum, kardeş sayısı-tuz toleransı ilişkisinin tür ve çeşide bağlı olarak değişebileceğini, dolayısıyla tek başına bir tolerans göstergesi olarak

kullanılmasının dikkatli değerlendirilmesi gerektiğini düşündürmektedir.

Yaş ağırlık bakımından çeşitler arasında en belirgin farklılaşma gözlenen özellik olmuştur; Echelon (6,00 g) en yüksek, Amba (5,50 g) orta düzey ve Ayfam (3,90 g) en düşük değerlerle birbirinden istatistiksel olarak tamamen ayrılan üç farklı grup oluşturmuştur. Elde edilen bulgular yaş ağırlıktaki azalmanın çeşide bağlı olarak farklılaşabileceğini gösteren önceki çalışmalarla da uyumludur. Cui vd., (2025), Bermuda çimi (*Cynodon dactylon*) çeşitlerinde tuz stresi altında yaş ağırlığın kontrole kıyasla %48,8-52,1 oranında azaldığını, ancak çeşitler arasındaki bu azalma farklılığının bazı çeşitlerde (R101, R105, Wrangler) istatistiksel olarak önemsiz kalırken, en duyarlı çeşit (A12359) ile aralarında anlamlı bir fark oluştuğunu bildirmiştir. En yüksek tuz dozunda kontrole kıyasla yaş ağırlıkta yaklaşık %49'luk keskin bir azalma tespit edilmiştir. Bu oran, incelenen dört özellik arasında tuz stresinden en fazla etkilenen parametrenin yaş ağırlık olduğunu ortaya koymaktadır; bu durum, tuz stresi altında bitkilerde su alımının kısıtlanması ve turgor kaybı ile açıklanabilir. Benzer şekilde Tenikecier ve Ateş (2022), dört soğuk iklim buğdaygil çim/yem bitkisi türünde (*Lolium perenne, Festuca arundinacea, Festuca rubra, Poa pratensis*) artan NaCl dozlarının (0-200 mM) sürgün yaş ağırlığını kontrol grubuna kıyasla %36-41 oranında azalttığını bildirmiştir.

Kuru ağırlıkta çeşit x tuz dozu interaksiyonunun önemli çıkması, tuz stresine verilen tepkinin çeşide bağlı olarak farklılaştığını göstermektedir; bu nedenle bu özellik ana etkiler yerine çeşit-doz kombinasyonları üzerinden değerlendirilmelidir. Amba çeşidinde kuru ağırlık, kontrol (1,17 g) ile 5 dS/m dozu (1,18 g) arasında istatistiksel olarak değişmemiş, ancak 10 dS/m dozunda keskin biçimde düşerek 0,67 g değerine gerilemiştir. Echelon çeşidinde ise kademeli bir azalma söz konusu olmuş bu durum Echelon çeşidinin 5 dS/m tuz dozunu kısmen tepki verirken en yüksek dozda benzer şekilde gerilemiştir. Ayfam çeşidi ise en erken ve en belirgin duyarlılığı gösteren çeşit olmuş; kuru ağırlık daha 5 dS/m dozunda anlamlı şekilde azalmış ve 10 dS/m dozunda da düşük seviyesini korumuştur (Tablo 2). Bu sonuçlar, Amba ve Echelon çeşitlerinin orta düzey tuz stresine (5 dS/m) karşı kuru madde birikimi açısından Ayfam'a kıyasla daha toleranslı bir morfolojik tepki sergilediğini, ancak yüksek tuz dozunda (10 dS/m) her üç çeşidin de benzer düzeyde olumsuz etkilendiğini göstermektedir. Düşük ve orta düzeydeki tuzluluğun bitki gelişimini her zaman baskılamayabileceği, farklı türlerde de ortaya konmuştur; nitekim Chen vd., (2023), kolzada (*Brassica napus* L.) düşük-orta düzey tuz dozlarının (25-50 mmol/L NaCl) fide biyokütlesini kontrol grubuna kıyasla %10-20 oranında artırdığını, ancak yüksek dozlarda (120-180 mmol/L) bu durumun tersine dönerek biyokütlenin azaldığını bildirmiştir. Tuz dozu arttıkça tüm özelliklerde gözlenen azalma eğilimi ve çeşitler arasındaki farklılaşma Şekil 1'de açıkça görülmektedir. Bu bulgu, artan tuz dozunun buğdaygil yem bitkilerinde kuru ağırlığı çeşide bağlı olarak farklı düzeylerde azalttığını gösteren önceki çalışmalarla da uyumludur; benzer şekilde Al-Ghumaiz vd., (2017), domuz ayrığı (Tekapo çeşidi) dahil çeşitli soğuk iklim yem bitkisi çeşitlerinde artan sulama suyu tuzluluğunun (kontrol-4000-8000-12000 ppm NaCl) kuru ağırlığı çeşitler arasında farklı oranlarda azalttığını ve domuz ayrığı ile kamışsı yumağın tuzluluğa özellikle duyarlı olduğunu bildirmiştir.



Şekil 1. Domuz ayrığı (*Dactylis glomerata* L.) çeşitlerinin erken fide gelişim döneminde tuz stresi uygulamasına verdiği tepkinin görünümü

Elde edilen bulgular, artan tuz konsantrasyonunun domuz ayrığının erken fide gelişim döneminde incelenen tüm morfolojik özellikleri istatistiksel olarak önemli düzeyde azalttığını ortaya koymaktadır (Şekil 1). Bu sonuç, tuz stresinin buğdaygil yem bitkilerinde büyüme ve gelişmeyi kısıtlayıcı etkisini bildiren önceki çalışmalarla uyumludur; artan tuz konsantrasyonlarıyla birlikte fide gelişimi olumsuz etkilenmiştir (Ertekin vd., 2022; Akşit, 2025; Dönmez, 2025; Önal Aşcı vd., 2025). Çalışmamızda dikkat çeken bir diğer nokta, bitki boyu, kardeş sayısı ve yaş ağırlıkta çeşit x doz interaksiyonunun önemsiz çıkmasına karşın kuru ağırlıkta önemli bulunmasıdır; bu durum, kuru madde birikiminin çeşitler arasındaki tuz toleransı farklılıklarını ortaya koymada diğer özelliklere göre daha ayırt edici bir parametre olabileceğini düşündürmektedir.

SONUÇ

Bu çalışmada, üç farklı domuz ayrığı çeşidinin erken fide gelişim döneminde artan tuz dozlarına verdiği morfolojik tepkiler ortaya konmuştur. Artan tuz dozu, incelenen tüm özelliklerde istatistiksel olarak önemli azalmalara yol açmış; en fazla gerileme yaş ağırlıkta (%49), en az gerileme ise kardeş sayısında (%22) belirlenmiştir. Genel olarak bitki boyu ve yaş ağırlık bakımından öne çıkan Echelon çeşidinin tuzlu koşullara nispeten daha toleranslı olduğu, buna karşın yüksek kardeşlenme kapasitesiyle Amba çeşidinin farklı bir agronomik avantaj sunduğu söylenebilir. Kuru ağırlıkta belirlenen önemli çeşit x tuz dozu interaksiyonu, tuz toleransının çeşide bağlı olarak değişebildiğini göstermiş olup Amba ve Echelon çeşitlerinin orta düzey tuz stresine (5 dS/m) karşı Ayfam'a kıyasla daha toleranslı bir tepki verdiğini ortaya koymuştur. Elde edilen bulgular, tuzluluk sorunu yaşanan mera ve çayır alanlarının ıslahında uygun domuz ayrığı çeşidinin seçiminde yol gösterici niteliktedir.

KAYNAKLAR

Akşit, Ş. (2025). Bazı fiğ (*Vicia* spp.) tür ve çeşitlerinin tuz stresi altında çimlenme, fide gelişimi ve biyokimyasal özelliklerinin belirlenmesi. Doktora Tezi, Erciyes Üniversitesi Fen Bilimleri Enstitüsü, Kayseri.

Al-Ghumaiz, N.S., Abd-Elmoniem, E.M. ve Motawei, M.I. (2017). Salt Tolerance and K/Na Ratio of Some Introduced Forage Grass Species Under Salinity Stress in Irrigated Areas. Communications in Soil Science and Plant Analysis, 48(12), 1494-1502. https://doi.org/10.1080/00103624.2017.1374398

Antony, E., Aravind, B., Amulya, A., Anushree, T., Rakshata, P.V., Savitha, F.H., Doddamani, M.B., Kuligod, P.V., Akbar, Kumar, V., Sridhar, K. ve Yadav, V.K. (2023). Salt Tolerance Mechanisms in Perennial Fodder Grasses. **IGC Proceedings (1985-2023).** 3. https://uknowledge.uky.edu/igc/XXV_IGC_2023/Ecology/3

Bakhtiari, M. A., Saeidnia, F., Majidi, M. M. ve Mirlohi, A. (2019). Growth traits associated with drought survival, recovery and persistence of cocksfoot (*Dactylis glomerata)* under prolonged drought treatments. Crop & Pasture Science, 70(1), 85–94. https://doi.org/10.1071/CP18473

Chen, B., Bian, X., Tu, M., Yu, T., Jiang, L., Lu, Y. ve Chen, X. (2023). Moderate Salinity Stress Increases the Seedling Biomass in Oilseed Rape (*Brassica napus* L.). Plants, 12(8), 1650. https://doi.org/10.3390/plants12081650

Cui, X., Chen, J., Li, S., Shao, A. ve Fu, J. (2025). Growth and physiological characteristics of forage bermudagrass in response to salt stress. BMC Plant Biology, 25, 269. https://doi.org/10.1186/s12870-025-06281-8

Díaz, F.J., Grattan, S.R., Reyes, J.A., de la Roza-Delgado, B., Benes, S.E., Jiménez, C., Dorta, M. ve Tejedor, M. (2018). Using saline soil and marginal quality water to produce alfalfa in arid climates. Agricultural Water Management, 199, 11-21. https://doi.org/10.1016/j.agwat.2017.12.003

Dönmez, H. B. (2025) Çok yıllık Buğdaygil Yem Bitkilerinin Çimlenme Ve Fide Gelişimi Üzerine Farklı Tuz Konsantrasyonlarinin Etkisi. ISPEC 17th International Conference on Agriculture, Animal Sciences and Rural Development. Kırşehir Ahi Evran University, Faculty of Agriculture Kırşehir, Türkiye. 25-27 Nisan 2025.

Ertekin, İ., Yılmaz, Ş. ve Can, E. (2022). Bazı yumak (*Festuca* spp.) türlerinin çimlenme ve fide aşamasında tuz stresine tepkilerinin belirlenmesi. Mustafa Kemal Üniversitesi Tarım Bilimleri Dergisi, 27(2), 266-271. https://doi.org/10.37908/mkutbd.1087363

Godoy, F., Olivos-Hernández, K., Stange, C. ve Handford, M. (2021). Abiotic stress in crop species: improving tolerance by applying plant metabolites. Plants, 10(2), 186. https://doi.org/10.3390/plants10020186

Hanin, M., Ebel, C., Ngom, M., Laplaze, L. ve Masmoudi, K. (2016). New Insights on Plant Salt Tolerance Mechanisms and Their Potential Use for Breeding. Frontiers in Plant Science, 7, 1787. https://doi.org/10.3389/fpls.2016.01787

Kaplan, M., Baser, M., Kale, H., Irik, H.A., Ulger, I. ve Unlukara, A. (2017). Change in Yield and Chemical Composition of Tall Fescue (*Festuca arundinacea* Schreb.) Plants Under Salt Stress. Turkish Journal of Field Crops, 22(2), 204-210. https://doi.org/10.17557/tjfc.356220

Negacz, K., Vellinga, P., Barrett-Lennard, E., Choukr-Allah, R. ve Elzenga, T. (2021). Future of sustainable agriculture in saline environments: Taylor & Francis. https://doi.org/10.1201/9781003112327

Niu, G., Xu, W., Rodriguez, D. ve Sun, Y. (2012). Growth and physiological responses of maize and sorghum genotypes to salt stress. International Scholarly Research Notices, 2012(1), 145072. https://doi.org/10.5402/2012/145072

Okumuş, O., ve Şekerci, A. D. (2024). Effects of different salt stress and temperature applications on germination in mung bean (*Vigna radiata* (L.) R. Wilczek) genotypes. Black Sea Journal of Agriculture, *7*(3), 310-316.

Önal Aşcı, Ö., Kaşko Arıcı, Y. ve Dede, Ö. (2025). Tuz Stresinin Çok Yıllık Çim (*Lolium perenne* L.) Tohumlarında Çimlenme ve Fide Gelişimine Etkisi. Türkiye Tarımsal Araştırmalar Dergisi, 12(2), 178-184. https://doi.org/10.19159/tutad.1647516

Shah, S.S., Li, Z., Yan, H., Shi, L. ve Zhou, B. (2020). Comparative Study of the Effects of Salinity on Growth, Gas Exchange, N Accumulation and Stable Isotope Signatures of Forage Oat (*Avena sativa* L.) Genotypes. Plants, 9(8), 1025. https://doi.org/10.3390/plants9081025

Singh, P. K. ve Chudasama, H. (2021). Pathways for climate change adaptations in arid and semi-arid regions. Journal of cleaner production, 284, 124744. https://doi.org/10.1016/j.jclepro.2020.124744

Snedecor, G.W. ve Cochran, W.G. (1967). Statistical Methods. 6th Edition. The Iowa State University Press, Ames, Iowa, ABD. 593 s.

Sun, Y., Niu, G., Osuna-Avila, P., Zhao, L., Ganjegunte, G., Peterson, G., Peralta-Videa, J.R. ve Gardea-Torresdey, J.L. (2014). Variability in salt tolerance of *Sorghum bicolor* L. Agricultural Science, 2(1), 9-21. doi: 10.12735/as.v2i1p9

Sun, Y., Niu, G., Ganjegunte, G. ve Wu, Y. (2018). Salt tolerance of six switchgrass cultivars. Agriculture, 8(5), 66. doi:10.3390/agriculture8050066

Tenikecier, H.S. ve Ates, E. (2022). Impact of Salinity on Germination and Seedling Growth of Four Cool-Season Turfgrass Species and Cultivars. Polish Journal of Environmental Studies, 31(2), 1813-1821. https://doi.org/10.15244/pjoes/142965