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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Texas A&M University, Molecular and Environmental Plant Sciences, Amerika Birleşik Devletleri 2009 - 2014

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Biyolojik Bilimler Bölümü, Türkiye 2006 - 2008

Lisans, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Biyolojik Bilimler Bölümü, Türkiye 2001 - 2006

Yabancı Diller

İngilizce, C2 Ustalık

Yaptığı Tezler

Doktora, ARABIDOPSIS THALIANA CARBOXYL-TERMINAL DOMAIN PHOSPHATASELIKE1 (CPL1) MEDIATES RESPONSES TO IRON DEFICIENCY AND CADMIUM TOXICITY, Texas A&M University, Molecular and Environmental Plant Sciences, 2014

Yüksek Lisans, Effect of drought and salt stresses on the gene expression levels of antioxidant enzymes in lentil (*Lens culinaris* M.) seedlings, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Biyolojik Bilimler Bölümü, 2008

Araştırma Alanları

Doku Kültürü, Moleküler Biyoteknoloji, Moleküler Genetik, Genetik Mühendisliği, Bitki Doku Kültürü, Bitki Fizyolojisi, Bitki Islahı ve Genetiği, Bitkilerin Büyüme ve Gelişimi, Bitki Biyokimyası, Bitki Biyoteknolojisi, Bitki Moleküler Genetiği

Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Biyolojik Bilimler Bölümü, 2021 - Devam Ediyor

Dr. Öğr. Üyesi, Niğde Ömer Halisdemir Üniversitesi, Tarım Bilimleri Ve Teknolojileri Fakültesi, Tarımsal Genetik

Mühendisliği Bölümü, 2015 - 2021

Araştırma Görevlisi, Texas A&M University, Horticultural Sciences, 2009 - 2014

Akademik İdari Deneyim

Bölüm Başkan Yardımcısı, Niğde Ömer Halisdemir Üniversitesi, Tarım Bilimleri Ve Teknolojileri Fakültesi, Tarımsal Genetik Mühendisliği Bölümü, 2019 - 2021

Dekan Yardımcısı, Niğde Ömer Halisdemir Üniversitesi, Tarım Bilimleri Ve Teknolojileri Fakültesi, 2016 - 2017

Verdiği Dersler

Biology of Crop Species, Lisans, 2020 - 2021

Biochemistry, Lisans, 2020 - 2021

Botany, Lisans, 2020 - 2021

Yönetilen Tezler

Aksoy E., KALMODULİN BAĞLAMA TRANSKRİPSİYON FAKTÖRÜ3 (CAMTA3)'ün Kuraklık Altındaki Rolünün Arabidopsis thaliana'da İncelenmesi, Yüksek Lisans, D.ATEŞ(Öğrenci), 2021

Aksoy E., RNA metabolizma regülatörü CPL1'in tuz stres toleransındaki rolünün arabidopsis thaliana'da incelenmesi, Yüksek Lisans, B.ABUDUREYIMU(Öğrenci), 2019

Aksoy E., Investigation of physiological, biochemical and molecular responses of soybean cultivars under iron deficiency, Yüksek Lisans, A.MAQBOOL(Öğrenci), 2018

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **GATA transcription factor in common bean: A comprehensive genome-wide functional characterization, identification, and abiotic stress response evaluation**
Abdulla M. F., Mostafa K., Aydın A., Kavas M., AKSOY E.
Plant Molecular Biology, cilt.114, sa.3, 2024 (SCI-Expanded)
- II. **Genome-wide characterization and expression analysis of GATA transcription factors under combination of light wavelengths and drought stress in potato**
AKSOY E., Yavuz C., Yagiz A. K., Unel N. M., Baloğlu M. C.
Plant Direct, cilt.8, sa.4, 2024 (SCI-Expanded)
- III. **Genome-wide association studies identifies genetic loci related to fatty acid and branched-chain amino acid metabolism and histone modifications under varying nitrogen treatments in safflower (Carthamus tinctorius)**
Ali F., Arif M. A. R., Ali A., Nadeem M. A., AKSOY E., Bakhsh A., Khan S. U., KURT C., Tekdal D., Ilyas M. K., et al.
Functional plant biology : FPB, cilt.51, 2024 (SCI-Expanded)
- IV. **Chitosan Increases the Sensitivity of Soybean Under Iron Deficiency by Impairing the Antioxidant Mechanisms and Nutrient Balance**
AKSOY E.
Journal of Plant Growth Regulation, 2024 (SCI-Expanded)
- V. **Engineering of insecticidal hybrid gene into potato chloroplast genome exhibits promising control of Colorado potato beetle, Leptinotarsa decemlineata (Coleoptera: Chrysomelidae)**
Hossain M. J., Bakhsh A., Joyia F. A., AKSOY E., Gökçe N. Z. Ö., Khan M. S.
Transgenic Research, cilt.32, sa.6, ss.497-512, 2023 (SCI-Expanded)
- VI. **Identification and characterization of RNA polymerase II (RNAP) C-Terminal domain phosphatase-like 3 (SICPL3) in tomato under biotic stress**
Saeed F., Hashmi M. H., AKSOY E., Demirel U., Bakhsh A.
Molecular Biology Reports, cilt.50, sa.8, ss.6783-6793, 2023 (SCI-Expanded)
- VII. **Exploring the efficacy of RNAi-mediated gene knock-down via oral delivery of dsRNA in the Colorado potato beetle (Leptinotarsa decemlineata Say)**

- Tariq H., Gökçe A., AKSOY E., Elçi E., Bakhsh A.
Turkish Journal of Zoology, cilt.47, sa.6, ss.492-504, 2023 (SCI-Expanded)
- VIII. **Genome-wide identification of QTLs associated with iron deficiency tolerance in soybean reveals GATA12 as the integrator of iron signaling in roots**
Maqbool A., Şahin A., Bakhsh A., Aksoy E.
Turkish Journal of Botany, cilt.47, sa.6, ss.511-528, 2023 (SCI-Expanded)
- IX. **Boron toxicity induces sulfate transporters at transcriptional level in Arabidopsis thaliana**
Kayihan C., AKSOY E., Mutlu S. N.
Turkish Journal of Botany, cilt.47, sa.1, 2023 (SCI-Expanded)
- X. **General guidelines for CRISPR/Cas-based genome editing in plants**
AKSOY E., YILDIRIM K., KAVAS M., Kayihan C., Yerlikaya B. A., Calik I., Sevgen I., Demirel U.
MOLECULAR BIOLOGY REPORTS, cilt.49, sa.12, ss.12151-12164, 2022 (SCI-Expanded)
- XI. **Genes involved in mRNA surveillance are induced in Brachypodium distachyon under cadmium toxicity**
AKSOY E., UNCU A. T., FİLİZ E., ORMAN Ş., ÇETİN D., AKBUDAK M. A.
MOLECULAR BIOLOGY REPORTS, cilt.49, sa.6, ss.5303-5313, 2022 (SCI-Expanded)
- XII. **Combined drought and heat stresses trigger different sets of miRNAs in contrasting potato cultivars**
Gokce Z. N. O., Aksoy E., Bakhsh A., Demirel U., Caliskan S., Caliskan M. E.
FUNCTIONAL & INTEGRATIVE GENOMICS, cilt.21, sa.3-4, ss.489-502, 2021 (SCI-Expanded)
- XIII. **Individual and combined effect of drought and heat stresses in contrasting potato cultivars overexpressing miR172b-3p**
Asim A., Gokce Z. N. O., Bakhsh A., Cayli I. T., Aksoy E., Caliskan S., Caliskan M. E., Demirel U.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, cilt.45, sa.5, ss.651-669, 2021 (SCI-Expanded)
- XIV. **Identification and expression profiling of toxic boron-responsive microRNAs and their targets in sensitive and tolerant wheat cultivars**
Kayihan D. S., Aksoy E., Kayihan C.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, cilt.45, sa.4, ss.411-433, 2021 (SCI-Expanded)
- XV. **Rapid and efficient in vitro regeneration of transplastomic potato (Solanum tuberosum L.) plants after particle bombardment**
Hossain M. J., Aksoy E., Gokce N. Z. O., Joyia F. A., Khan M. S., Bakhsh A.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, cilt.45, sa.3, ss.313-323, 2021 (SCI-Expanded)
- XVI. **Physiological, Biochemical, and Transcriptional Responses to Single and Combined Abiotic Stress in Stress-Tolerant and Stress-Sensitive Potato Genotypes**
Demirel U., Morris W. L., Ducreux L. J. M., Yavuz C., Asim A., Tindas I., Campbell R., Morris J. A., Verrall S. R., Hedley P. E., et al.
FRONTIERS IN PLANT SCIENCE, cilt.11, 2020 (SCI-Expanded)
- XVII. **Downregulation of imidacloprid resistant genes alters the biological parameters in Colorado potato beetle, Leptinotarsa decemlineata Say (chrysomelidae: Coleoptera)**
Naqqash M. N., Gokce A., Aksoy E., Bakhsh A.
CHEMOSPHERE, cilt.240, 2020 (SCI-Expanded)
- XVIII. **Transgenic potato lines expressing hairpin RNAi construct of molting-associated EcR gene exhibit enhanced resistance against Colorado potato beetle (Leptinotarsa decemlineata, Say)**
Hussain T., AKSOY E., Çalışkan M. E., Bakhsh A.
Transgenic Research, cilt.28, sa.1, ss.151-164, 2019 (SCI-Expanded)
- XIX. **Arbuscular mycorrhizal fungi improve the growth and phosphorus uptake of mung bean plants fertilized with composted rock phosphate fed dung in alkaline soil environment**
Wahid F., Sharif M., Fahad S., Adnan M., Khan I. A., AKSOY E., Ali A., Sultan T., Alam M., Saeed M., et al.
Journal of Plant Nutrition, cilt.42, sa.15, ss.1760-1769, 2019 (SCI-Expanded)
- XX. **Genome-wide analysis of gene expression profiling revealed that COP9 signalosome is essential for correct expression of Fe homeostasis genes in Arabidopsis**
Eroglu S., Aksoy E.

- BioMetals, cilt.30, sa.5, ss.685-698, 2017 (SCI-Expanded)
- XXI. **Soybean: A new frontier in understanding the iron deficiency tolerance mechanisms in plants**
AKSOY E., Maqbool A., Tindas İ., Caliskan S.
Plant and Soil, cilt.418, sa.1-2, ss.37-44, 2017 (SCI-Expanded)
- XXII. **Recent advances in potato genomics, transcriptomics, and transgenics under drought and heat stresses: A review**
AKSOY E., Demirel U., Öztürk Z. N., Çalışkan S., Çalışkan M. E.
Turkish Journal of Botany, cilt.39, sa.6, ss.920-940, 2015 (SCI-Expanded)
- XXIII. **Arabidopsis CPL4 is an essential C-terminal domain phosphatase that suppresses xenobiotic stress responses**
Fukudome A., AKSOY E., Wu X., Kumar K., Jeong I. S., May K., Russell W. K., Koiwa H.
Plant Journal, cilt.80, sa.1, ss.27-39, 2014 (SCI-Expanded)
- XXIV. **Regulation of Abiotic Stress Signalling by Arabidopsis C-Terminal Domain Phosphatase-Like 1 Requires Interaction with a K-Homology Domain-Containing Protein**
Jeong I. S., Fukudome A., Aksoy E., Bang W. Y., Kim S., Guan Q., Bahk J. D., May K. A., Russell W. K., Zhu J., et al.
PLOS ONE, cilt.8, sa.11, 2013 (SCI-Expanded)
- XXV. **Arabidopsis C-Terminal Domain Phosphatase-Like 1 Functions in miRNA Accumulation and DNA Methylation**
Jeong I. S., Aksoy E., Fukudome A., Akhter S., Hiraguri A., Fukuhara T., Bahk J. D., Koiwa H.
PLOS ONE, cilt.8, sa.9, 2013 (SCI-Expanded)
- XXVI. **Loss of function of Arabidopsis C-terminal domain phosphatase-like1 activates iron deficiency responses at the transcriptional level**
AKSOY E., Jeong I. S., Koiwa H.
Plant Physiology, cilt.161, sa.1, ss.330-345, 2013 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Harnessing plant-mediated RNAi for effective management of Phthorimaea absoluta by targeting AChE1 and SEC23 genes**
Hashmi M. H., Tariq H., Saeed F., Demirel U., Gökçe A., Merzendorfer H., AKSOY E., Bakhsh A.
Plant Stress, cilt.14, 2024 (ESCI)
- II. **Barley preferentially activates strategy-II iron uptake mechanism under iron deficiency**
AKSOY E.
Biotech Studies, cilt.33, sa.1, ss.23-32, 2024 (Scopus)
- III. **Bitki Peptit ve Amino Asit Taşıyıcılarının Demir Taşınmasındaki Görevleri**
AKSOY E., MAQBOOL A., YERLİKAYA B. A., WAHID F.
TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, cilt.10, ss.2646-2655, 2022 (Hakemli Dergi)
- IV. **Arabidopsis thaliana plants overexpressing the barley NICOTINAMINE SYNTHASE1 (HvNAS1) gene show tolerance to iron deficiency**
AKSOY E., MAQBOOL A., ABUDUREYİMU B.
Turkish Journal of Agriculture-Food Science and Technology, cilt.8, sa.sp1, ss.70-79, 2020 (Hakemli Dergi)
- V. **Comparison of the Sensitivity of Arabidopsis SOS Pathway Mutants under Salt Stress**
ABUDUREYİMU B., AKSOY E.
TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, cilt.7, sa.11, ss.1982-1989, 2019 (Hakemli Dergi)
- VI. **Iron Uptake Mechanisms from the Rhizosphere in Plants**
AKSOY E., YERLİKAYA B. A., AYTEN S., ABUDUREYİMU B.
TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, cilt.6, sa.12, ss.1673-1683, 2018 (Hakemli Dergi)

- VII. **Bitkilerde Hücre İçi Demir Dağıtım Mekanizmaları**
AKSOY E., AYTEN S., YERLİKAYA B. A., ABUDUREYİMU B.
TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, cilt.5, sa.12, ss.1558-1565, 2017
(Hakemli Dergi)
- VIII. **Function of Arabidopsis CPL1 in cadmium responses**
AKSOY E., KOIWA H.
Plant Signaling & Behavior, cilt.8, sa.5, ss.24120, 2014 (Scopus)
- IX. **Determination of Ferric Chelate Reductase Activity in the Arabidopsis thaliana Root**
AKSOY E., KOIWA H.
BIO-PROTOCOL, cilt.3, sa.15, 2013 (Hakemli Dergi)

Kitap & Kitap Bölümleri

- I. **Maize biofortification in the 21st century**
ASLAM M., Ahmad R. M., KHAN H. Z., Aslam A., AKSOY E.
BIOFORTIFICATION OF GRAIN AND VEGETABLE CROPS Molecular and Breeding Approaches, Azhar Muhammad Tehseen, Ahmad Muhammad Qadir, Rana Iqrar Ahmad, Atif Rana Muhammad, Editör, Elsevier, San Diego, ss.39-51, 2023
- II. **Potato taxonomy and wild relatives**
Naeem M., MAQBOOL A., AKSOY E.
Potato Production Worldwide, Çalışkan, Mehmet Emin; Bakhsh, Allah; Jabran, Khawar, Editör, Elsevier, ss.19-55, 2023
- III. **Transcription factors and target genes involved in plant responses to high boron adaptation**
AKSOY E., KAYIHAN C.
Boron in Plants and Agriculture, Aftab, T., Landi, M., Papadakis, IE., Araniti, F., Brown, PH., Editör, Academic Press , ss.207-231, 2022
- IV. **Genome Editing for Nutrient Use Efficiency in Crops**
YAGIZ A. K., YAVUZ C., Naeem M., DAS DANGOL S., AKSOY E.
Principles and Practices of OMICS and Genome Editing for Crop Improvement, Prakash, CS., Fiaz, S., Fahad, S., Editör, Springer, Cham, ss.347-383, 2022
- V. **Effect of Climate Change on Abiotic Stress Response Gene Networks in Arabidopsis thaliana**
YERLİKAYA B. A., ATEŞ D., ABUDUREYİMU B., AKSOY E.
Principles and Practices of OMICS and Genome Editing for Crop Improvement, Prakash, CS., Fiaz, S., Fahad, S., Editör, Springer Cham, ss.149-172, 2022
- VI. **The Revolution of Omics Technology in Plant Science**
AKSOY E., YILMAZ H., KAYIHAN C.
Principles and Practices of OMICS and Genome Editing for Crop Improvement, Prakash, C.S., Fiaz, S., Fahad, S., Editör, Springer Cham, ss.23-56, 2022
- VII. **Effects of Natural Variations on Biofortification**
MAQBOOL A., BAKHSH A., AKSOY E.
Wild Germplasm for Genetic Improvement in Crop Plants, Azhar Muhammad Tehseen, Wani Shabir Hussain, Editör, Elsevier, ss.115-138, 2021
- VIII. **Recent Advances in Potato (Solanum tuberosum L.) Breeding**
AKSOY E., DEMİREL U., BAKHSH A., Zia M. A. B., Naeem M., Saeed F., ÇALIŞKAN S., ÇALIŞKAN M. E.
Advances in Plant Breeding Strategies: Vegetable Crops, Al-Khayri Jameel M., Jain S. Mohan, Johnson Dennis V., Editör, Springer, ss.409-487, 2021
- IX. **Biofortification Under Climate Change: The Fight Between Quality and Quantity**
MAQBOOL A., ABRAR M., BAKHSH A., ÇALIŞKAN S., KHAN H. Z., ASLAM M., AKSOY E.
Environment, Climate, Plant and Vegetation Growth, Shah Fahad, Mirza Hasanuzzaman, Mukhtar Alam, Hidayat Ullah, Muhammad Saeed, Imtiaz Ali Khan, Muhammad Adnan, Editör, Springer, ss.173-227, 2020

- X. **Biyolojik Ağlar**
YAGIZ A. K., YAVUZ C., AKSOY E.
Biyoinformatik Temelleri ve Uygulamaları, Mehmet Cengiz Baloğlu, Editör, PEGEM, ss.172-211, 2020
- XI. **Biyolojik Veri Tabanları**
YAGIZ A. K., YAVUZ C., AKSOY E.
Biyoinformatik Temelleri ve Uygulamaları, Mehmet Cengiz Baloğlu, Editör, Kastamonu Üniversitesi, Kastamonu, ss.159-193, 2018
- XII. **Biyolojik Ağlar**
YAGIZ A. K., YAVUZ C., AKSOY E.
Biyoinformatik Temelleri ve Uygulamaları, Mehmet Cengiz Baloğlu, Editör, Kastamonu Üniversitesi, Kastamonu, ss.159-193, 2018
- XIII. **DNA: Yaşam Molekülü**
YILMAZ R., AKSOY E.
Biyoloji Öz, Füsün EYİDOĞAN, Editör, NOBEL, ss.116-153, 2015

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Determining The Role of Calmodulin Binding Transcription Factor (CAMTA) Family for Drought Tolerance in Arabidopsis thaliana**
ATEŞ D., AKSOY E.
III. International Turkic World Congress on Science and Engineering, Niğde, Türkiye, 14 Haziran 2021, ss.68-38
- II. **Investigation of the Effect of Chitosan on Iron Deficiency in Two Sensitive and Resistant Soybean Varieties**
AKSOY E.
5th International Anatolian Agriculture, Food, Environment and Biology Congress, Tokat, Türkiye, 1 - 04 Ekim 2020
- III. **Farklı Bitki Türlerinde Kalmodülün Bağlayıcı Transkripsiyon Faktörü (CAMTA) Ailesinin Genom Çapında Analizi**
ATEŞ D., AKSOY E.
5th International Anatolian Agriculture, Food, Environment and Biology Congress, 1 - 04 Ekim 2020
- IV. **Arabidopsis thaliana plants overexpressing the barley NICOTINAMINE SYNTHASE1 (HvNAS1) gene show tolerance to iron deficiency**
AKSOY E., MAQBOOL A., ABUDUREYİMU B.
5th International Anatolian Agriculture, Food, Environment and Biology Congress, Tokat, Türkiye, 1 - 04 Ekim 2020
- V. **Effects of natural variations on biofortification**
MAQBOOL A., BAKHSH A., AKSOY E.
5th International Anatolian Agriculture, Food, Environment and Biology Congress, Tokat, Türkiye, 1 - 04 Ekim 2020
- VI. **Comparison of the Sensitivity of Arabidopsis Mutants Responsible for the SOS Pathway Under Salt Stress**
ABUDUREYİMU B., AKSOY E.
5th International Anatolian Agriculture, Food, Environment and Biology Congress, Tokat, Türkiye, 1 - 04 Ekim 2020
- VII. **Efficient In planta and Sprayable Delivery of dsRNAs against Colorado potato beetle, Leptinotarsa decemlineata Say (Chrysomelidae: Coleoptera).**
BAKHSH A., AKSOY E.
Contribution of RNAi to sustainable agriculture, food safety and security, Atina, Yunanistan, 26 - 28 Şubat 2020
- VIII. **Cloroplastic Transformation of Potato Cultivars to Encode Resistance Against Colorado Potato Beetle and Potato Tuber Moth**
BAKHSH A., Hossain M. J., Ahmad F., AKSOY E., ÖZTÜRK GÖKÇE Z. N., Mustafa G., Khan M. S.
Plant Animal Genome XXVIII, San Diego, Amerika Birleşik Devletleri, 11 - 15 Ocak 2020
- IX. **Nişasta ve Şeker Bitkileri Üretiminde Mevcut Durum ve Gelecek**
ÇALIŞKAN M. E., ÇALIŞKAN S., DEMİREL U., AKSOY E., ARIOĞLU H. H.

Türkiye Ziraat Mühendisliği IX. Teknik Kongresi, Ankara, Türkiye, 13 - 17 Ocak 2020, cilt.1, ss.439-462

- X. **Role of calmodulin binding transcription factors (CAMTAs) in plant stress tolerance**
AKSOY E.
1th International Congress of the Turkish Journal of Agriculture - Food Science and Technology, Antalya, Türkiye, 8 - 10 Kasım 2019
- XI. **Modern day techniques for efficient insect pest management in crop plants**
BAKHSH A., AKSOY E., ÖZTÜRK GÖKÇE Z. N.
Eurasian Congress on Molecular Biotechnology (ECOMB), Trabzon, Türkiye, 19 - 21 Eylül 2019
- XII. **Transition from Basic to Applied Science in Understanding of Biofortification and Phytoremediation in Plants**
AKSOY E.
Eurasian Congress of Molecular Biotechnology, 19 - 21 Eylül 2019
- XIII. **Turkey as a Role Model in Biotechnological Advancement in Pakistan: Virus-free Potato Seed Production**
AKSOY E., DEMİREL U., BAKHSH A., SAEED N. A., MANSOOR S., ÇALIŞKAN S., ÇALIŞKAN M. E.
Eurasian Congress of Molecular Biotechnology, 19 - 21 Eylül 2019
- XIV. **The Role of RNA Metabolism Regulator CPL1 in Salt Stress in Arabidopsis thaliana**
ABUDUREYİMU B., AKSOY E.
2nd International Green Biotechnology Congress, İstanbul, Türkiye, 9 - 11 Eylül 2019
- XV. **Activity of stress inducible rd29A promoter in transgenic potato under abiotic stress**
Rahamkulov I., AKSOY E., BAKHSH A.
II International Green Biotechnology Congress, İstanbul, Türkiye, 9 - 11 Eylül 2019
- XVI. **Investigation of Function of Novel 105 miRNA in Potato Using Transgenic Approach**
YALÇIN M., ARSLAN A., TINDAŞ ÇAYLI İ., AKSOY E., DEMİREL U., BAKHSH A., ÖZTÜRK GÖKÇE Z. N.
Green Biotechnology Congress, 9 - 11 Eylül 2019
- XVII. **Genome-wide Identification and Expression of CALCIUM/CALMODULIN-BINDING TRANSCRIPTIONAL ACTIVATOR (CAMTA) Gene Family in Arabidopsis thaliana under Abiotic Stresses**
ATEŞ D., YERLİKAYA B. A., AKSOY E.
2nd International Green Biotechnology Congress, İstanbul, Türkiye, 9 - 11 Eylül 2019
- XVIII. **Challenges and Opportunities of Crop Biofortification**
AKSOY E.
II. International Green Biotechnology Congress, 9 - 11 Eylül 2019
- XIX. **CRISPR/Cas9: Developments and Applications for Genome Editing in Plants**
YERLİKAYA B. A., AKSOY E.
International Turkic World Congress on Science and Engineering, Niğde, Türkiye, 17 - 18 Haziran 2019
- XX. **Quality or Quantity: Crop Battle in Changing Climate**
AKSOY E.
4th International Anatolian Agriculture, Food, Environment and Biology Congress, Afyonkarahisar, Türkiye, 20 - 22 Nisan 2019
- XXI. **Is Arabidopsis GATA12 Transcription Factor the Missing Key Player in Crosstalk between Gibberellic Acid Signalling and Iron Deficiency Responses?**
YERLİKAYA B. A., AKSOY E.
4th International Anatolian Agriculture, Food, Environment and Biology Congress, Afyonkarahisar, Türkiye, 20 - 22 Nisan 2019
- XXII. **Silencing insect molting-associated EcR gene leads to enhanced resistance against Colorado potato beetle (*Leptinotarsa decemlineata*, Say) and Potato tuber moth (*Phthorimaea operculella*, Zeller)**
BAKHSH A., HUSSAIN T., ASIM M., PIRLAK U., AKSOY E., ÇALIŞKAN M. E.
4th International Anatolian Agriculture, Food, Environment and Biology Congress, Afyonkarahisar, Türkiye, 20 - 22 Nisan 2019
- XXIII. **New Breeding Technologies for Crop Improvement in Turkey with Special Reference to Potato, Soybean and Quinoa**

- AKSOY E.
Use of Genome Editing and Other New Breeding Technologies for Global Food Security, 8 - 10 Nisan 2019
- XXIV. **Genetic manipulations in soybean against biotic stresses**
BAKHS A., AKSOY E., ÇALIŞKAN S.
Biofortification of Staple Food Crops, Peshawar, Pakistan, 24 - 28 Eylül 2018
- XXV. **Production of Transplastomic Insect Resistant Plants A way towards Better Integrated Pest Management**
Hossain J. M., AKSOY E., ÖZTÜRK GÖKÇE Z. N., BAKHS A.
International Agricultural Science Congress, Van, Türkiye, 9 Mayıs - 12 Eylül 2018
- XXVI. **Plant Mediated RNAi Strategy to Induce Insect Resistance in Transgenic Potato Lines**
BAKHS A., Hussain T., Aasim M., Pirlak U., AKSOY E., ÇALIŞKAN M. E.
International Agricultural Science Congress, Van, Türkiye, 9 - 12 Mayıs 2018
- XXVII. **In silico Identification and Characterization of Potential Molecular Markers Related with Iron Deficiency Tolerance in Soybean**
AKSOY E., ŞAHİN A., MAQBOOL A., ÇALIŞKAN S.
International Agricultural Science Congress, Van, Türkiye, 9 - 12 Mayıs 2018
- XXVIII. **Soybean Breeding Program Concentrating on Seed Iron Content**
AKSOY E., MAQBOOL A., ÇALIŞKAN S.
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- XXIX. **Analyses of Some Molecular Responses of Some Local Soybean Varieties under Iron Deficiency**
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