



## Res. Asst. PhD ENGİN GÖKHAN KULAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAH-6452-2019

ScopusID: 56786362000

Yoksis Researcher ID: 29655



### Education Information

2014 - 2019	Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Tarla Bitkileri (Dr), Turkey
2010 - 2013	Postgraduate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Tarla Bitkileri (Y) (Tezli), Turkey
2006 - 2010	Undergraduate, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, Turkey
2005 - 2009	Undergraduate, Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, TARLA BİTKİLERİ BÖLÜMÜ, Turkey

### Foreign Languages

English, B1 Intermediate

### Dissertations

2019	Effects of Weed Control Methods and Plant Density on Yield and Yield Components of Sugar Beet, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Tarla Bitkileri (Dr), Doctorate
2013	Determination of Some Plant Characteristics and Diurnal Variability of Basil ( <i>Ocimum basilicum</i> L.) Grown under Eskisehir Conditions, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Tarla Bitkileri (Y) (Tezli), Postgraduate

### Research Areas

Agricultural Sciences, Other Crops Grown for Industrial Processing (perfume-producing plants, for medicine, etc.), Oil Plants, Fiber Crops, Keyf Plants, Sugar, Syrup, Starch Crops, Biofuels Plants

### Academic Titles / Tasks

**Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Evaluation of Frost Tolerance in Sugar Beet Cultivars During Early Growth Stages**  
KULAN E. G., KAYA M. D.  
Sugar Tech, 2024 (SCI-Expanded)
- II. **Exploring Dual-Purpose Benefits of Leaf Pruning in Sugar Beet for Crop Yield and Animal Feed**  
KULAN E. G.  
Sugar Tech, 2024 (SCI-Expanded)
- III. **Effects of Weed-Control Treatments and Plant Density on Root Yield and Sugar Content of Sugar Beet**  
KULAN E. G., KAYA M. D.  
Sugar Tech, vol.25, no.4, pp.805-819, 2023 (SCI-Expanded)
- IV. **Effective Seed Priming Methods Improving Germination and Emergence of Sugar Beet Under Low-Temperature Stress**  
KAYA M. D., KULAN E. G.  
SUGAR TECH, vol.22, no.6, pp.1086-1091, 2020 (SCI-Expanded)
- V. **PREDICTION OF VIABILITY AND EMERGENCE CAPACITY OF SAFFLOWER SEED LOTS**  
Kaya M. D., KULAN E. G., İLERİ O., Avci S.  
JOURNAL OF ANIMAL AND PLANT SCIENCES, vol.29, no.3, pp.714-720, 2019 (SCI-Expanded)
- VI. **A Simple Estimation of Seed Viability and Emergence Potential in Sugar Beet**  
KULAN E. G., Takil E. D., KAYA M. D.  
SUGAR TECH, vol.21, no.3, pp.532-535, 2019 (SCI-Expanded)
- VII. **SALINITY TOLERANCE CLASSIFICATION OF SUNFLOWER (*Helianthus annuus* L.) AND SAFFLOWER (*Carthamus tinctorius* L.) BY CLUSTER AND PRINCIPAL COMPONENT ANALYSIS**  
Kaya M. D., Akdogan G., KULAN E. G., DAĞHAN H., Sari A.  
APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH, vol.17, no.2, pp.3849-3857, 2019 (SCI-Expanded)
- VIII. **POTENTIAL OF SEED TESTING METHODS TO IDENTIFY VIABILITY AND VIGOUR IN COMMERCIAL SEED LOTS OF SUNFLOWER**  
KAYA M. D., KULAN E. G., AVCI S., İleni O.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.8, pp.5295-5300, 2018 (SCI-Expanded)
- IX. **Changes in N, K, and Fatty Acid Composition of Black Cumin Seeds Affected by Nitrogen Doses under Supplemental Potassium Application**  
AYTAÇ Z., GÜLMEZOĞLU N., Sağlam T., KULAN E. G., SELENGİL U., HOŞGÜN H. L.  
JOURNAL OF CHEMISTRY, vol.2017, 2017 (SCI-Expanded)
- X. **MAPPING BORON AND BENEFICIAL HEAVY METAL IONS FOR WHEAT-CULTIVATING SOILS IN TURKEY'S BORON-MINING ZONE**  
GÜLMEZOĞLU N., Aytac Z., KUTLU İ., KULAN E. G., Gozukara G.  
APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH, vol.15, no.3, pp.1119-1130, 2017 (SCI-Expanded)
- XI. **Efficiency of Vigor Tests and Seed Elemental Concentrations to Estimate Field Emergence in Soybean (*Glycine max*)**  
KAYA M. D., KULAN E. G., DAĞHAN H., İLERİ O., AVCI S.  
INTERNATIONAL JOURNAL OF AGRICULTURE AND BIOLOGY, vol.18, no.5, pp.1075-1080, 2016 (SCI-Expanded)
- XII. **Factors Affecting Germination Performance of Four Endemic Sideritis Species in Turkey**  
KAYA M. D., KULAN E. G., Gumuscu G., GÜMÜŞÇÜ A.  
JOURNAL OF AGRICULTURAL SCIENCES-TARIM BİLİMLERİ DERGİSİ, vol.21, no.3, pp.406-413, 2015 (SCI-Expanded)

**Articles Published in Other Journals**

- I. **The ability of biostimulants and copper-containing fungicide to protect cotton against chilling stress**  
ERGİN N., KULAN E. G., Harmancı P., KAYA M. D.  
JOURNAL OF COTTON RESEARCH, vol.7, no.1, 2024 (ESCI)
- II. **Response of Winter Canola Varieties to Boron Stress during Germination and Seedling Growth Stage**  
YAMAN E., HARMANCI P., Kaya M. D., Kulan E. G.  
Black Sea Journal of Agriculture, vol.7, no.2, pp.134-138, 2024 (Peer-Reviewed Journal)
- III. **Seed priming as a method of preservation and restoration of sunflower seeds Le priming des semences comme méthode de conservation et de restauration des semences de tournesol.**  
KAYA M. D., ERGİN N., Harmancı P., KULAN E. G.  
OCL - Oilseeds and fats, Crops and Lipids, vol.31, 2024 (ESCI)
- IV. **Sugar Beet Seed Production in Turkey**  
EKİNCİ Y. E., KULAN E., KAYA M.  
Türk Tarım - Gıda Bilim ve Teknoloji dergisi, vol.10, no.3, pp.489-495, 2022 (Peer-Reviewed Journal)
- V. **EVALUATION OF GERMINATION, EMERGENCE AND PHYSIOLOGICAL PROPERTIES OF SUGAR BEET CULTIVARS UNDER SALINITY**  
KULAN E. G., Arpacıoğlu A., ERGİN N., KAYA M. D.  
TRAKYA UNIVERSITY JOURNAL OF NATURAL SCIENCES, vol.22, no.2, pp.255-262, 2021 (ESCI)
- VI. **The Effects of Fungicidal Seed Treatments on Seed Germination, Mean Germination Time and Seedling Growth in Safflower (Carthamus tinctorius L.)**  
ERGİN N., KULAN E. G., KAYA M. D.  
Selcuk Journal of Agricultural and Food Sciences, vol.35, no.2, pp.139-142, 2021 (Peer-Reviewed Journal)
- VII. **Response of Germination and Seedling Development of Cotton to Salinity under Optimal and Suboptimal Temperatures**  
ERGİN N., Kulan E. G., Gozukara M., Kaya M. F., Cetin S. O., KAYA M. D.  
KSU TARIM VE DOGA DERGISI-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.24, no.1, pp.108-115, 2021 (ESCI)
- VIII. **Determination of allelopathic and autotoxic effects of root and stem extracts of some safflower (Carthamus tinctorius L.) varieties Bazı aspir (Carthamus tinctorius L.) çeşitlerinin kök ve sap ekstraktlarının allelopatik ve ototoksik etkilerinin belirlenmesi**  
KULAN E. G., Ergin N., KAYA M. D.  
Yuzuncu Yil University Journal of Agricultural Sciences, vol.30, no.4, pp.801-809, 2020 (Scopus)
- IX. **Şeker pancarında farklı hasat zamanları ve tarlada depolama sürelerinin verim ve şeker oranı üzerine etkileri**  
KOÇAK Ş. F., KULAN E. G., KAYA M. D.  
ÇOMU Ziraat Fakültesi Dergisi, vol.7, no.2, pp.313-321, 2019 (Peer-Reviewed Journal)
- X. **The Optimum Plant Density for Vigorous Seed Production in Safflower**  
ÖZAŞIK İ., KAYA M. D., KULAN E. G.  
Turkish Journal of Agriculture - Food Science and Technology, vol.7, no.2, pp.301, 2019 (Peer-Reviewed Journal)
- XI. **Eskişehir Koşullarında Bazı Soya (Glycine max L.) Çeşitlerinin Önemli Tarımsal Özellikleri ve Adaptasyonunun Belirlenmesi**  
KULAN E. G., ERGİN N., DEMİR İ., KAYA M. D.  
ULUDAĞ ÜNİVERSİTESİ ZİRAAT FAKÜLTESİ DERGISİ, vol.31, no.1, pp.127-135, 2017 (Peer-Reviewed Journal)
- XII. **Kaplı ve Kapsız Şeker Pancarı Tohumlarının Çimlenme Çıkış ve Verim Bakımından İncelenmesi**  
KULAN E. G., KAYA M. D.  
Tarla Bitkileri Merkez Araştırma Enstitüsü Dergisi, vol.25, pp.83-87, 2016 (Peer-Reviewed Journal)
- XIII. **Bazı Şeker Pancarı Çeşitlerinin Eskişehir Koşullarındaki Performansları**  
KULAN E. G., KAYA M. D., KARAŞ E.  
Tarla Bitkileri Merkez Araştırma Enstitüsü Dergisi, vol.25, pp.67-70, 2016 (Peer-Reviewed Journal)
- XIV. **İç Anadolu Bölgesinde Yağ Bitkileri Üretim Potansiyeli**  
KAYA M. D., KULAN E. G., ŞENER A.  
Ziraat Mühendisliği, no.362, pp.17-21, 2015 (Peer-Reviewed Journal)

XV. **Bazı İleri Aspir Hatlarının Eskişehir Koşullarındaki Performansları**

KAYA M. D., SUAY B., KULAN E. G., İSMAİL Ö.

Uludağ Üniversitesi Ziraat Fakültesi Dergisi, vol.29, no.1, pp.57-65, 2015 (Peer-Reviewed Journal)

## **Books & Book Chapters**

I. **TÜRKİYE (II) KÜMBET AGRICULTURAL DEVELOPMENT COOPERATIVE**

KULAN E. G., GİRAY F. H., AYDOĞAN Ç., YILDIRIM Y. E.

in: ENHANCING SUSTAINABLE RURAL DEVELOPMENT THROUGH SOCIAL CAPITAL, Noll Dominik, Rivera Maria, Editor, Imprensa Universidade de Evora, Evora, pp.117-126, 2023

II. **TÜRKİYE (I) BADEMLI NURSERY AGRICULTURAL DEVELOPMENT COOPERATIVE**

GİRAY F. H., AYDOĞAN Ç., MERTOĞLU K., KULAN E. G.

in: Enhancing sustainable rural development through social capital, Noll Dominik, Rivera Maria, Editor, Imprensa Universidade de Evora, Evora, pp.105-116, 2023

## **Refereed Congress / Symposium Publications in Proceedings**

I. **The toxicity level of boron dose and form on germination and seedling growth in sugar beet**

KULAN E. G., KAYA M. D., YILMAZTÜRK E.

III. International Siirt Scientific Research Congress, Siirt, Turkey, 18 November 2022, vol.1, pp.1428-1436

II. **Aspirde Tohumluk Kalitesinin Tohum Güç Testleri Yardımıyla Belirlenmesi**

KAYA M. D., KULAN E. G.

Türkiye 13. Ulusal, 1. Uluslararası Tarla Bitkileri Kongresi, Antalya, Turkey, 1 - 04 November 2019, pp.100-105

III. **The Response of Safflower Cultivars to Various Abiotic Stresses during Germination and Early Seedling Growth**

ÇETİN Ş. Ö., KULAN E. G., KAYA M. D.

2nd International Conference on Agriculture, Technology, Engineering and Sciences (ICATES 2019), Lviv, Ukraine, 18 - 20 September 2019, pp.646-652

IV. **The seed vigor changes of seed samples from primary, secondary and tertiary heads of safflower**

KAYA M. D., KULAN E. G., SEMERCİ A.

2nd International Conference on Agriculture, Technology, Engineering and Sciences (ICATES 2019), Lviv, Ukraine, 18 - 20 September 2019, pp.636-641

V. **Germination and Seedling Growth Performance of Safflower (Carthamus tinctorius L.) Cultivars under Low Temperatures**

KULAN E. G., KAYA M. F., HARMANCI P., YURGİDEN B.

2nd International Conference on Agriculture, Technology, Engineering and Sciences (ICATES 2019), Lviv, Ukraine, 18 - 20 September 2019

VI. **The Response of Sunflower Hybrids to Low Temperature during Germination and Early Seedling Growth**

KULAN E. G., KAYA M. F., TAKIL E. D., KAYA M. D.

2nd International Conference on Agriculture, Technology, Engineering and Sciences (ICATES 2019), Lviv, Ukraine, 18 - 20 September 2019, pp.653-657

VII. **Allelopathic Effects of Safflower Stem and Root on Germination and Seedling Growth of Wheat, Barley and Safflower**

KULAN E. G., ERGİN N., KAYA M. D.

2nd International Conference on Agriculture, Technology, Engineering and Sciences (ICATES 2019), Lviv, Ukraine, 18 - 20 September 2019

VIII. **Bazı reyhan genotiplerinin çimlenme ve çıkış döneminde tuz stresine tepkileri**

KULAN E. G., KAYA M. D.

- 4th International Anatolian Agriculture, Food, Environment and Biology Congress-2019, Afyonkarahisar, Turkey, 20 - 22 April 2019, pp.565-571
- IX. **Determination of the Seed Vigor of Soybean Cultivated as Main and Second Crop in Turkey**  
KAYA M. D., KULAN E. G., KARAGÜL TUĞAY E.  
4th International Anatolian Agriculture, Food, Environment and Biology Congress-2019, Afyonkarahisar, Turkey, 20 - 22 April 2019, pp.492-496
- X. **The Sensitivity of Opium Poppy Seeds to Temperature in Electrical Conductivity Test**  
Harmancı P., KULAN E. G., KAYA M. D.  
International Conference on Agriculture, Forest, Food Sciences and Technologies, 2 - 05 April 2018
- XI. **Performance of Rapeseed Cultivars Under Salt and Drought Stresses During Germination and Seedling Growth**  
KULAN E. G., Kandemir Ö., KAYA M. D.  
International Conference on Agriculture, Forest, Food Sciences and Technologies, 2 - 05 April 2018
- XII. **CHANGES ON ESSENTIAL OIL COMPOSITION DURING DAYTIME OF OCIMUM BASILICUM L. LEAVES AND FLOWERS**  
KULAN E. G., AYTAÇ Z., DEMİRCİ B., TELCİ İ.  
The 4.th Mediterranean Symposium on Medicinal and Aromatic Plants (MESMAP-4), 18 - 22 April 2018
- XIII. **Bazı Aspir Çeşitlerinin Tarımsal Özellikleri Üzerine Kükürt Dozlarının Etkileri**  
KULAN E. G., BAYRAM M., KAYA M. D.  
2nd International Mediterranean Science and Engineering Congress, Adana, Turkey, 25 - 27 October 2017, pp.1837-1841
- XIV. **Evaluation of electrical conductivity test to predict seed viability and emergence potential of sugar beet seeds**  
KULAN E. G., TAKIL E. D., KAYA M. D.  
2nd International Mediterranean Science and Engineering Congress, Adana, Turkey, 25 - 27 October 2017, pp.1878
- XV. **Yağlı tohumlu bitkiler üretiminde yeni arayışlar**  
KOLSARICI Ö., KAYA M. D., GÖKSOY A. T., ARIOĞLU H. H., KULAN E. G., DAY S.  
Türkiye Ziraat Mühendisliği VIII. Teknik Kongresi, Turkey, 12 - 16 January 2015, vol.1, pp.401-425
- XVI. **Eskişehir Koşullarında Yetiştirilen Reyhan (Ocimum basilicum L.) Bitkisinin Bazı Bitkisel Özelliklerin ve Diurnal Varyabilitesinin Belirlenmesi**  
KULAN E. G., AYTAÇ Z.  
Türkiye 10. Tarla Bitkileri Kongresi, Turkey, 10 - 13 September 2013
- XVII. **Alleviating Role of Zinc Applications on Damage of Salt Stress in Basil Ocimum basilicum L**  
ALKAN TORUN A., GÜLMEZOĞLU N., TOLAY İ., ERTARĞIN E., AYTAÇ Z., KULAN E. G.  
17th International Plant Nutrition Colloquium (IPNC) is "Plant Nutrition for Nutrient and Food Security, 19 - 22 August 2013
- XVIII. **Kuru Koşullarda Yetiştirilen Çörek Otunun Nigella sativa L Bazı Agronomik ve Kalite Özellikleri**  
KULAN E. G., TURAN Y. S., GÜLMEZOĞLU N., KARA İ., AYTAÇ Z.  
Tıbbi ve Aromatik Bitkiler Sempozyumu, Turkey, 13 - 15 September 2012
- XIX. **Bazı Kışlık Kolza Çeşitlerinin (Brassica napus ssp. oleifera L.) Eskişehir Koşullarında Verim ve Verim Ögeleri Yönünden Karşılaştırılması**  
AYTAÇ Z., KULAN E. G., GÜLMEZOĞLU N.  
Türkiye 9. Tarla Bitkileri Kongresi, Bursa, Turkey, 12 - 15 September 2011
- XX. **Ethnobotanical Evaluation of Some Medicinal Plants in Eskisehir, Turkey**  
Aytac Z., Ozkan G., Kuzu S., KULAN E. G.  
59th International Congress and Annual Meeting of the Society-for-Medicinal-Plant-and-Natural-Product-Research, Antalya, Turkey, 4 - 09 September 2011, vol.77, pp.1312

## Supported Projects

2023 - Continues	Kolzada kuraklık stresinin etkisinin azaltılması amacıyla bazı kimyasal maddelerin etkinliđinin arařtırılması, Project Supported by Higher Education Institutions
2023 - Continues	Kuraklık Stresi Altında Erken Geliřim Dönemindeki řeker Pancarına Uygulanan Biyostimulantların Morfolojik ve Fizyolojik Karakterlere Etkisinin Belirlenmesi, Project Supported by Higher Education Institutions
2020 - 2022	Strengthening Social Capital in Rural Communities for Rural Development, Erasmus Project
2020 - 2022	Erken gelişme döneminde düşük sıcaklık stresine toleranslı řeker pancarı çeřitlerinin belirlenmesi, Project Supported by Higher Education Institutions
2020 - 2022	Don stresine toleranslı ayçiçeđi hibritleri ve uygun seleksiyon kriterlerinin belirlenmesi, Project Supported by Higher Education Institutions
2017 - 2018	řeker Pancarı Tohumlarının Düşük Sıcaklık Stresinde Çimlenme ve Çıkış Performanslarını Arttırmak Amacıyla Kullanılabilecek Tohum Uygulamalarının Arařtırılması, Project Supported by Higher Education Institutions
2013 - 2016	Bazı Yađ Bitkilerinde Tohum Kalitesini Belirlemek Amacıyla Tohum Güç Testlerinin Kullanımı, Project Supported by Higher Education Institutions
2011 - 2013	Deđişik Aspir (Carthamus T.nctorius L.) Genotiplerinin Çinko Etkinliklerinin ve Farklı Çinko Uygulama Yöntemlerinin Üreli ve Üresiz Koşullar Altında Tane Çinkosunun Arttırılması Üzerine Etkisinin Belirlenmesi, Project Supported by Higher Education Institutions
2011 - 2013	Buđday Yetiřtirilen Kahverengi Orman Topraklarının Verimlilik Durumunun Belirlenmesi, Project Supported by Higher Education Institutions

## Metrics

Publication: 49  
Citation (WoS): 24  
Citation (Scopus): 40  
H-Index (WoS): 3  
H-Index (Scopus): 3

## Non Academic Experience

2010 - 2010      TARIM BAKANLIđI