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Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Turkey 2005 - Continues

Masters (Non-Thesis), University of California, Davis, Department Of Viticulture And Enology, United States Of America
1995 - 1998

Under Graduate, Ankara University, Ziraat Fakültesi, Bahçe Bitkileri, Turkey 1989 - 1993

Foreign Languages

English, C1 Advanced

Research Areas

Agricultural Sciences, Agriculture, Garden Plants, Cultivation and Breeding

Academic Titles / Tasks

Associate Professor, Canakkale Onsekiz Mart University, 2012 - 2019

Assistant Professor, Canakkale Onsekiz Mart University, Ziraat Fakültesi, Bahçe Bitkileri, 2009 - 2012

Research Assistant PhD, Canakkale Onsekiz Mart University, Ziraat Fakültesi, Bahçe Bitkileri, 2005 - 2009

Research Assistant, Canakkale Onsekiz Mart University, Ziraat Fakültesi, Bahçe Bitkileri, 1998 - 2009

Research Assistant, Ankara University, Fen Bilimleri Enstitüsü, Bahçe Bitkileri, 1999 - 2005

Advising Theses

GÖKBAYRAK Z., Bazı asma anaçlarının köklenmesi üzerine brassinosteroidin etkisi, Post Graduate, U.Kaplan(Student),
2012

Jury Memberships

Post Graduate, Tez Savunma Jürisi, Bitki Koruma Bölümü, January, 2014

Post Graduate, Zeliha Gökbayrak, Bitki Koruma Bölümü, January, 2014

Post Graduate, Zeliha Gökbayrak, Bitki Koruma Bölümü, June, 2012

Post Graduate, Zeliha Gökbayrak, Bitki Koruma Bölümü, February, 2012

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Pollen of *Arbutus unedo*: Effects of plant growth regulators**
GÖKBAYRAK Z., ENGİN H., AKÇAL A., Kiraz H.
BOTANICA SERBICA, vol.44, no.1, pp.55-59, 2020 (Journal Indexed in SCI)
- II. **Influence of Postharvest Application of 28-Homobrassinolide on Storage Quality of Medlar Fruit**
EKİNCİ N., GÖKBAYRAK Z., Çavuşoğlu Ş., Akcay M. E.
ERWERBS-OBSTBAU, vol.61, no.2, pp.113-118, 2019 (Journal Indexed in SCI)
- III. **Effects of Plant Growth Regulators on Sex Expression and Flower Development in Pomegranates**
ENGİN H., GÖKBAYRAK Z.
ERWERBS-OBSTBAU, vol.61, no.1, pp.23-27, 2019 (Journal Indexed in SCI)
- IV. **Determination of the effects of growth regulators on pollen viability and germination level of tulip**
Akçal A., Gökbayrak Z., Engin H.
Acta Horticulturae, vol.1242, pp.549-552, 2019 (Journal Indexed in SCI Expanded)
- V. **Effects of Foliar-Applied Brassinosteroid on Viability and In Vitro Germination of Pollen Collected from Bisexual and Functional Male Flowers of Pomegranate**
GÖKBAYRAK Z., ENGİN H.
International Journal of Fruit Science, vol.18, no.2, pp.226-230, 2018 (Journal Indexed in SCI)
- VI. **Influence of plant growth regulators on sex differentiation and floral characteristics of pomegranate flowers: a case of brassinosteroids**
GÖKBAYRAK Z., ENGİN H.
ACTA SOCIETATIS BOTANICORUM POLONIAE, vol.87, no.3, 2018 (Journal Indexed in SCI)
- VII. **Brassinosteroids and gibberellic acid: Effects on in vitro pollen germination in grapevine**
GÖKBAYRAK Z., ENGİN H.
Journal International des Sciences de la Vigne et du Vin, vol.51, no.3, pp.303-307, 2017 (Journal Indexed in SCI)
- VIII. **Effects of 22S, 23S-Homobrassinolide and Gibberellic Acid on Occurrence of Physiological Disorders and Fruit Quality of 'Summit' and 'Regina' Sweet Cherries**
ENGİN H., GÖKBAYRAK Z., SAKALDAŞ M.
ERWERBS-OBSTBAU, vol.58, no.3, pp.203-210, 2016 (Journal Indexed in SCI)
- IX. **ROLE OF 22S, 23S-HOMOBRASSINOLIDE AND GA(3) ON FRUIT QUALITY OF '0900 ZIRAAT' SWEET CHERRY AND PHYSIOLOGICAL DISORDERS**
ENGİN H., GÖKBAYRAK Z., SAKALDAŞ M., DURAN F. U.
ACTA SCIENTIARUM POLONORUM-HORTORUM CULTUS, vol.14, no.5, pp.99-108, 2015 (Journal Indexed in SCI)
- X. **Influence of brassinosteroids on fruit yield and quality of table grape 'Alphonse Lavallee'**
İŞÇİ B., GÖKBAYRAK Z.
VITIS, vol.54, no.1, pp.17-19, 2015 (Journal Indexed in SCI)
- XI. **RESPONSE OF VITIS VINIFERA L. SEEDS TO 22(S), 23(S)-HOMOBRASSINOLIDE**
GÖKBAYRAK Z., Cakir A., Sirin A.
PAKISTAN JOURNAL OF BOTANY, vol.46, no.6, pp.2131-2133, 2014 (Journal Indexed in SCI)
- XII. **Gibberellic Acid Inhibits Floral Formation and Delays Flower Differentiation in '0900 Ziraat' Sweet Cherry Cultivar**
ENGİN H., GÖKBAYRAK Z., AKÇAL A., GÜR E.
EUROPEAN JOURNAL OF HORTICULTURAL SCIENCE, vol.79, no.5, pp.260-266, 2014 (Journal Indexed in SCI)
- XIII. **EFFECTS OF CANE-GIRDLING AND CLUSTER AND BERRY THINNING ON BERRY ORGANIC ACIDS OF FOUR *Vitis vinifera* L. TABLE GRAPE CULTIVARS**
Keskin N., İŞÇİ B., GÖKBAYRAK Z.
ACTA SCIENTIARUM POLONORUM-HORTORUM CULTUS, vol.12, no.6, pp.115-125, 2013 (Journal Indexed in SCI)

- XIV. **Flower Aberrations in Kiwifruit (*Actinidia deliciosa*)**
ENGİN H., GÖKBAYRAK Z., DARDENİZ A.
EUROPEAN JOURNAL OF HORTICULTURAL SCIENCE, vol.76, no.3, pp.91-94, 2011 (Journal Indexed in SCI)
- XV. **Submersion of grape rootstock 41B cuttings in water increase root formation**
GÖKBAYRAK Z., DARDENİZ A., ARIKAN A., KAPLAN U.
INDIAN JOURNAL OF HORTICULTURE, vol.68, no.2, pp.255-258, 2011 (Journal Indexed in SCI)
- XVI. **NUTRIENT CONTENTS OF 140 RUGGERI ROOTSTOCK CANES IN DORMANT SEASON**
TÜRKMEN C., DARDENİZ A., MÜFTÜOĞLU N. M. , GÖKBAYRAK Z., KABAĞLU A.
JOURNAL OF ANIMAL AND PLANT SCIENCES, vol.21, no.4, pp.730-733, 2011 (Journal Indexed in SCI)
- XVII. **Best duration for submersion of grapevine cuttings of rootstock 41B in water to increase root formation**
GÖKBAYRAK Z., DARDENİZ A., ARIKAN A., KAPLAN U.
JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT, vol.8, pp.607-609, 2010 (Journal Indexed in SCI)
- XVIII. **Establishing Genetic Relation between a Marker Locus and Fungal Disease in Grapevine Using Multidimensional Scaling Analysis**
GÖKBAYRAK Z., İŞÇİ B., OZER C., Soylemezoglu G., ALTINDIŞLI A.
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.38, no.3, pp.187-192, 2010 (Journal Indexed in SCI)
- XIX. **EFFECTS OF HYDROGEN CYANAMIDE ON THE FLORAL MORPHOGENESIS OF KIWIFRUIT BUDS**
ENGİN H., GÖKBAYRAK Z., DARDENİZ A.
CHILEAN JOURNAL OF AGRICULTURAL RESEARCH, vol.70, no.3, pp.503-509, 2010 (Journal Indexed in SCI)
- XX. **Graft union formation of spur apple varieties grafted on different rootstocks**
Polat M., DOLGUN O., Yildirim A., Askin M. A. , GÖKBAYRAK Z.
JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT, vol.8, no.2, pp.490-493, 2010 (Journal Indexed in SCI)
- XXI. **Graft formation in some spur and vigorous apple varieties grafted on Ottawa 3 rootstock: A histological investigation**
YILDIRIM A., Polat M., Dolgun O., Askin M. A. , GÖKBAYRAK Z., San B.
JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT, vol.8, no.2, pp.512-514, 2010 (Journal Indexed in SCI)
- XXII. **USE OF MORPHOLOGICAL MARKERS TO IDENTIFY FOLIAR DISEASE RESISTANCE IN GRAPEVINE**
GÖKBAYRAK Z., OZER C., Soylemezoglu G.
JOURNAL OF ANIMAL AND PLANT SCIENCES, vol.20, no.4, pp.243-247, 2010 (Journal Indexed in SCI)
- XXIII. **Research on the physiological disorders and fruit quality of Cardinal peach**
ENGİN H., ŞEN F., Pamuk G., GÖKBAYRAK Z.
NEW ZEALAND JOURNAL OF CROP AND HORTICULTURAL SCIENCE, vol.38, no.1, pp.39-46, 2010 (Journal Indexed in SCI)
- XXIV. **Occurrence of star flowers in Cardinal (*Vitis vinifera* L.) cv.**
GÖKBAYRAK Z., DARDENİZ A., Soylemezoglu G., KIZILCIK S.
AFRICAN JOURNAL OF AGRICULTURAL RESEARCH, vol.4, no.8, pp.713-717, 2009 (Journal Indexed in SCI)
- XXV. **Cane Quality Determination of 5 BB and 140 Ru Grape Rootstocks**
DARDENİZ A., GÖKBAYRAK Z., MÜFTÜOĞLU N. M. , TÜRKMEN C., BESER K.
EUROPEAN JOURNAL OF HORTICULTURAL SCIENCE, vol.73, no.6, pp.254-258, 2008 (Journal Indexed in SCI)
- XXVI. **Influence of shoot topping on yield and quality of *Vitis vinifera* L.**
DARDENİZ A., Yildirim I., GÖKBAYRAK Z., AKÇAL A.
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.7, no.20, pp.3625-3628, 2008 (Journal Indexed in SCI)
- XXVII. **Assessment of morphological changes and determination of best cane collection time for 140 RU and 5 BB**
Dardeniz A., MUFTUOGLU N. M. , Gokbayrak Z., FIRAT M.
SCIENTIA HORTICULTURAE, vol.113, no.1, pp.87-91, 2007 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Effects of Melatonin and IAA on Adventitious Root Formation in Rootstock 5BB and cv. Cabernet Sauvignon (Vitis vinifera L.)**
GÖKBAYRAK Z., ENGİN H., Kiraz H.
KSU TARIM VE DOGA DERGISI-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.23, no.4, pp.835-841, 2020
(Journal Indexed in ESCI)
- II. **Merlot ve Cabernet Sauvignon Üzüm Çeşitlerinde (Vitis vinifera L.) ÇiçekSalkımı Çiçek Organ Taslaklarının Morfolojik Gelişim SafhalarınınBelirlenmesi**
GÖKBAYRAK Z., ENGİN H.
ÇOMÜ Ziraat Fakültesi Dergisi, vol.7, no.1, pp.2017-2013, 2019 (Other Refereed National Journals)
- III. **Floral Development Stages in Vitis vinifera L. and Association With Phenological Stages**
GÖKBAYRAK Z., ENGİN H.
KSU TARIM VE DOGA DERGISI-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.22, no.3, pp.407-413, 2019
(Journal Indexed in ESCI)
- IV. **The Biology of Pomegranate Pollen: All about Formation, Morphology, Viability, Germination and Events relating to Sperm Nuclei**
ENGİN H., GÖKBAYRAK Z.
ALINTERI JOURNAL OF AGRICULTURE SCIENCES, vol.34, no.2, pp.188-193, 2019 (Journal Indexed in ESCI)
- V. **Micromorphology of pollen grains from bisexual and functional male flowers of pomegranate**
ENGİN H., GÖKBAYRAK Z.
Agrofor International Journal, vol.2, no.2, pp.40-46, 2017 (Refereed Journals of Other Institutions)
- VI. **Effects of Brassinosteroid, Naphthalene Acetic Acid and Gibberellic Acid on In vitro Pollen Germination of Bisexual and Functional Male Flowers of Pomegranate Cultivars**
ENGİN H., GÖKBAYRAK Z.
ÇOMÜ Ziraat Fakültesi Dergisi, 2017 (Other Refereed National Journals)
- VII. **N VITRO POLLEN VIABILITY AND GERMINATION OF BISEXUALAND FUNCTIONAL MALE FLOWERS OF SOME TURKISHPOMEGRANATE CULTIVARS**
ENGİN H., GÖKBAYRAK Z.
Agriculture Forestry, vol.62, no.4, pp.91-94, 2016 (Refereed Journals of Other Institutions)
- VIII. **IN VITRO POLLEN VIABILITY AND GERMINATION OF HERMAPHRODİTİC AND FUNCTIONAL MALE FLOWERS OF SOME TURKISH POMEGRANATE CULTIVARS**
ENGİN H., GÖKBAYRAK Z.
Agriculture and Foretry, 2016 (Refereed Journals of Other Institutions)
- IX. **Grapevine throughout the history of Anatolia**
GÖKBAYRAK Z., SÖYLEMEZOĞLU G.
International Journal of Botany, 2010 (Refereed Journals of Other Institutions)
- X. **Reserve nutrient contents of the 5 BB grape rootstock canes**
GÖKBAYRAK Z., DARDENİZ A., MÜFTÜOĞLU N. M. , TÜRKMEN C., AKÇAL A., TUNÇEL R.
American-Eurasian J. Agric. And Environ. Sci., vol.5, no.5, pp.599-602, 2009 (Refereed Journals of Other Institutions)
- XI. **Kivi çiçeklerinde yassı ve yelpaze dişi organ oluşumu**
GÖKBAYRAK Z., ENGİN H., DARDENİZ A.
Süleyman Demirel Üniversitesi Ziraat Fakültesi Dergisi, vol.3, no.2, pp.11-16, 2008 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Bitki büyüme düzenleyicilerinin 5BB anacı ile Cabernet Sauvignon çeşidinin köklenmesi ve gelişmesi üzerine etkisi.**

Kiraz H., GÖKBAYRAK Z., ENGİN H.

1st International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), 22 - 23 November 2018

- II. **Kivi yetiştiriciliğinde karşılaşılan sorunlar ve çözüm önerileri (Problems in Kiwifruit Production and Possible Solutions)**
ENGİN H., GÖKBAYRAK Z.
Lapseki sempozyumu, Turkey, 20 - 24 June 2007
- III. **Micromorphology of pollen grains of some grape cultivars VII International Scientific Agriculture Symposium**
GÖKBAYRAK Z., ENGİN H.
VII International Scientific Agriculture Symposium, 6 - 09 October 2016
- IV. **Determination The Effects of Growth Regulators on Pollen Viability and Germination Level of Some Tulip Cultivars**
AKÇAL A., GÖKBAYRAK Z., ENGİN H.
III International Symposium on Horticulture in Europe (SHE2016), 17 - 21 October 2016
- V. **Determination the effects of growth regulators on pollen viability and germination level of some tulip cultivars**
AKÇAL A., GÖKBAYRAK Z., ENGİN H.
III International Symposium on Horticulture in Europe, 17 - 21 October 2016
- VI. **Determination the effects of growth regulators on pollen viability and germination level of some tulip cultivars**
AKÇAL A., GÖKBAYRAK Z., ENGİN H.
III International symposium on horticulture in europe, 17 - 21 October 2016
- VII. **in vitro pollen viability and germination of bisexual and functional male flowers of some turkish pomegranate cultivars**
ENGİN H., GÖKBAYRAK Z.
7th International Scientific Agriculture Symposium, 6 - 09 October 2016
- VIII. **micromorphology of pollen grains from bisexual and functional male flowers of pomegranate**
ENGİN H., GÖKBAYRAK Z.
7th International Scientific Agriculture Symposium, 6 - 09 October 2016
- IX. **Effects of field applied 22S 23S Homobrassinolide on in vitro viability and germination of pollens collected from bisexual and functional male flowers of pomegranate**
ENGİN H., GÖKBAYRAK Z.
15th Serbian Congress of Fruit and Grapevine Producers with international participation, 21 - 24 September 2016
- X. **Influence of brassinosteroids and gibberellic acid on in vitro pollen germination of table grape Vitis vinifera L cultivars Italia adn Cardinal**
GÖKBAYRAK Z., ENGİN H.
15th Serbian Congress of Fruit and Grapevine Producers with international participation, 21 - 24 September 2016
- XI. **Flower Biology of Some Turkish Pomegranates**
ENGİN H., GÖKBAYRAK Z.
15th Serbian Congress of Fruit and Grapevine Producers with international participation, 21 - 24 September 2016
- XII. **Effects of 22S, 23S-homobrassinolide and gibberellic acid on formation of double fruits in 'Bing' sweet cherry**
ENGİN H., GÖKBAYRAK Z.
3rd Balkan Symposium on Fruit Growing, Belgrade, Serbia And Montenegro, 16 - 18 September 2015, vol.1139, pp.299-302
- XIII. **Effect of plant growth regulators on in vitro pollen germination of grapevine cultivars**
GÖKBAYRAK Z., ENGİN H.
3rd Balkan Symposium on Fruit Growing, Belgrade, Serbia And Montenegro, 16 - 18 September 2015, vol.1139, pp.405-408
- XIV. **Effect of Plant Growth Regulators on enhancing in vitro Pollen Germination in Grapevine Cultivars**

GÖKBAYRAK Z., ENGİN H.

3rd Balkan Symposium on Fruit Growing, Belgrade, Serbia, 16 - 18 September 2015

- XV. **Farklı üzüm çeşitlerinde üniform kültürel uygulamaların aşılı asma fidanı randıman ve gelişimi üzerine etkileri**
YILDIRIM M., DARDENİZ A., GÖKBAYRAK Z., TÜRKMEN C., YILDIRIM F., TUNÇEL R.
Çanakkale Tarımı Sempozyumu, Dünü, Bugünü, Geleceği, Turkey, 10 - 11 January 2011
- XVI. **Omcanın Farklı Kısımlarından Çıkan Yazlık Sürgünlerin Verimlilik Donanlarının Karşılaştırılması**
DARDENİZ A., GÖKBAYRAK Z., ÇELİK M., AKIN A., GÜNDOĞDU M. A.
Türkiye 7. Bağcılık ve teknolojileri Sempozyumu, Turkey, 5 - 09 October 2009
- XVII. **Hayward Kivi (Actinidia deliciosa) Çeşidinde Gözlenen Farklı Meyve Tiplerine Ait Çekirdeklerin Çimlenme Güçlerinin Belirlenmesi (İng. özet)**
GÖKBAYRAK Z., DARDENİZ A., ENGİN H.
V. Ulusal Bahçe Bitkileri Kongresi, Turkey, 4 - 07 September 2007, vol.1, pp.603-606
- XVIII. **Determination of germination rate of seed derived from variously shaped kiwifruits**
GÖKBAYRAK Z., DARDENİZ A., ENGİN H., Aygün h.
V. National Horticultural Congress, Turkey, 4 - 07 October 2007
- XIX. **Çanakkale Bölgesi Kiwi Bağlarındaki Meyve Şekil Bozuklukları**
GÖKBAYRAK Z., ENGİN H.
Lapseki Sempozyumu, Turkey, 20 - 24 June 2007

Supported Projects

ENGİN H., GÖKBAYRAK Z., Project Supported by Higher Education Institutions, Çanakkale Florasında Yetişen Arbutus andrachne L nin Çiçek Tomurcuğu Farklılaşması ve Çiçek Organ Taslaklarının Oluşumu Üzerine Araştırmalar, 2018 - 2019

KAHRIMAN F., EGESSEL C. Ö. , ÖNER F., ÖZKORKMAZ ATICI F., İSKENDER R., ÖZTÜRK E., AYKUTLU M., BAYTEKİN H., GÖKBAYRAK Z., Project Supported by Higher Education Institutions, Ülkesel Mısır Gen Kaynaklarının Bazı Agronomik Özellikler ile Beslenme Açısından Önem Taşıyan Kalite Özellikleri Bakımından Taranması ve Bu Özelliklerde Genotip x Çevre İnteraksiyonunun İncelenmesi, 2017 - 2019

ENGİN H., GÖKBAYRAK Z., Project Supported by Higher Education Institutions, 0900 Ziraat ve Starks Gold Kiraz JH Hale ve Blake Şeftali ve Merlot ve Cabernet Sauvignon Üzüm Çeşitlerinde Çiçek Tomurcuğu Farklılaşması ve Çiçek Organ Taslaklarının Oluşumu Üzerine Araştırmalar, 2015 - 2017

KONYALI A., ÖZKÖK F., TAN S., ERDURAN NEMUTLU F., AKTÜRK D., EVEREST B., GÖKBAYRAK Z., Project Supported by Higher Education Institutions, Çanakkale'de Kentsel ve Kırsal Kesimde Kadın Profili Üzerine Bir Araştırma, 2010 - 2015

ENGİN H., AKÇAL A., GÖKBAYRAK Z., GÜR E., Project Supported by Higher Education Institutions, Salihli (0900 Ziraat) Kiraz Çeşidinde Yapılan GA3 Uygulamalarının Çiçek Tomurcuğu Oluşumu, Çiçek Organ Taslaklarının Farklılaşması ve Çiçeklenmesine Etkileri üzerine Araştırmalar, 2008 - 2012

Activities in Scientific Journals

Uludağ Üniversitesi Ziraat Fakültesi Dergisi, Advisory Committee Member, 2017 - Continues

Tarım Bilimleri Dergisi-Journal of Agricultural Sciences, Editor, 2015 - 2017

Citations

Total Citations (WOS):56

h-index (WOS):4