

## Prof. Cafer KÖSE

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, Turkey 1997 - 2002

Postgraduate, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, Turkey 1993 - 1997

Undergraduate, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, Turkey 1989 - 1993

### Dissertations

Doctorate, Karaerik Üzüm Çeşidinin Klon Seleksiyonu Yoluyla Islahı Üzerine Bir Araştırma, Atatürk Üniversitesi, Ziraat Fakültesi, Bahçe Bitkileri, 2002

Postgraduate, Proton Biostimülatörünün Karaerik Üzüm Çeşidinde Verim, Kalite ve Dona Dayanım Üzerindeki Etkilerinin İncelenmesi, Atatürk Üniversitesi, Ziraat Fakültesi, Bahçe Bitkileri, 1997

### Research Areas

Agricultural Sciences, Agriculture, Garden Plants, Cultivation and Breeding

### Academic Titles / Tasks

Associate Professor, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2013 - 2018

Assistant Professor, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2004 - 2013

Research Assistant PhD, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2002 - 2004

Research Assistant, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 1995 - 2002

### Academic and Administrative Experience

Assistant Manager of Research and Application Center, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2003 - 2006

### Courses

Bahçe Bitkileri Üretim Teknikleri 1, Undergraduate, 2021 - 2022, 2020 - 2021

Bahçe Bitkileri, Undergraduate, 2021 - 2022, 2020 - 2021

Özel Bağcılık, Undergraduate, 2021 - 2022, 2020 - 2021

Genel Bağcılık, Undergraduate, 2022 - 2023

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

- I. **Sensitivity of some sweet cherry (*Prunus avium* L.) cultivars to late spring frosts during different phenological stages following bud burst**  
Kaya O., KÖSE C.  
THEORETICAL AND APPLIED CLIMATOLOGY, vol.148, no.3-4, pp.1713-1725, 2022 (SCI-Expanded)
- II. **Differential thermal analysis reveals the sensitivity of sweet cherry flower organs to low temperatures**  
Kose C., Kaya O.  
INTERNATIONAL JOURNAL OF BIOMETEOROLOGY, vol.66, no.5, pp.987-994, 2022 (SCI-Expanded)
- III. **How sensitive are the flower parts of the sweet cherry in sub-zero temperatures? Use of differential thermal analysis and critical temperatures assessment**  
Kaya O., Köse C.  
NEW ZEALAND JOURNAL OF CROP AND HORTICULTURAL SCIENCE, vol.50, no.1, pp.17-31, 2022 (SCI-Expanded)
- IV. ***Nepeta meyeri* essential oil ameliorates fungal infection and the antioxidant response in grapevines (*Vitis vinifera*) infections by gray mold (*Botrytis cinerea*)**  
Karakuş S., Atıcı Ö., Köse C., Aydın I.  
ACTA PHYSIOLOGIAE PLANTARUM, vol.43, no.12, 2021 (SCI-Expanded)
- V. **Frost tolerance in apricot (*Prunus armeniaca* L.) receptacle and pistil organs: how is the relationship among amino acids, minerals, and cell death points?**  
Kaya O., Köse C., Eşitken A., Gecim T., Donderalp V., Taskin S., Turan M.  
INTERNATIONAL JOURNAL OF BIOMETEOROLOGY, vol.65, no.12, pp.2157-2170, 2021 (SCI-Expanded)
- VI. **Determination of the Characteristic Structures of Low Temperature Exotherm in Grapevine Buds and Their Relationship with the Bud Structure**  
KÜPE M., KÖSE C.  
ERWERBS-OBSTBAU, vol.63, pp.123-129, 2021 (SCI-Expanded)
- VII. **Can organic acid and sugar compositions be used to predict cell death point limits? Receptacle and pistil organs of apricot (*Prunus armeniaca* L.)**  
Kaya O., Köse C., Eşitken A., Turan M., Utku O.  
RENDICONTI LINCEI-SCIENZE FISICHE E NATURALI, vol.32, no.3, pp.493-509, 2021 (SCI-Expanded)
- VIII. **The use of differential thermal analysis in determining the critical temperatures of sweet cherry (*Prunus avium* L.) flower buds at different stages of bud burst**  
Kaya O., KÖSE C., Sahin M.  
INTERNATIONAL JOURNAL OF BIOMETEOROLOGY, vol.65, no.7, pp.1125-1135, 2021 (SCI-Expanded)
- IX. **ANTIFUNGAL EFFECT OF ESSENTIAL OIL AND DIFFERENT EXTRACTS OBTAINED FROM *Nepeta meyeri* ON *Botrytis cinerea***  
Karakuş S., ATICI Ö., KÖSE C., Tiryaki D.  
ACTA SCIENTIARUM POLONORUM-HORTORUM CULTUS, vol.20, no.1, pp.111-122, 2021 (SCI-Expanded)
- X. **How Pretest Temperatures Change the Cold Hardiness of Grapevine (*Vitis Vinifera* L. Cv. Karaerik) Dormant Buds?**  
Kaya O., KÖSE C.  
INTERNATIONAL JOURNAL OF FRUIT SCIENCE, vol.20, 2020 (SCI-Expanded)
- XI. **Last updates on cell death point, bud death time and exothermic characteristics of flower buds for deciduous fruit species by using differential thermal analysis**  
Kaya O., KÖSE C., Donderalp V., Gecim T., Taskin S.  
SCIENTIA HORTICULTURAE, vol.270, 2020 (SCI-Expanded)

- XII. **Effects of trellising and baran systems on frost tolerance in Üzümlü (Erzincan) vineyards**  
Küpe M., Köse C.  
Acta Horticulturae, vol.1276, pp.87-92, 2020 (SCI-Expanded)
- XIII. **Cell death point in flower organs of some apricot (*Prunus armeniaca* L.) cultivars at subzero temperatures**  
Kaya O., KÖSE C.  
SCIENTIA HORTICULTURAE, vol.249, pp.299-305, 2019 (SCI-Expanded)
- XIV. **An exothermic process involved in the late spring frost injury to flower buds of some apricot cultivars (*Prunus armeniaca* L.)**  
KAYA Ö., KÖSE C., GECİM T.  
SCIENTIA HORTICULTURAE, vol.241, pp.322-328, 2018 (SCI-Expanded)
- XV. **Freeze Injure and Antioxidant Enzyme Activity of Grapevine (*Vitis Vinifera*) Under Bio-Boron Fertilizer Applications**  
KÖSE C., GÜNEŞ A., KAYA O., Kitir N., Turan M., Sahin F.  
ERWERBS-OBSTBAU, vol.60, pp.3-10, 2018 (SCI-Expanded)
- XVI. **An Assessment of the Relation Between Cold-Hardiness and Biochemical Contents of Winter Buds of Grapevine cv. 'xxKaraerik'xx in Acclimation-Hardening- Deacclimation Phases**  
RENDE M., KÖSE C., KAYA Ö.  
MITTEILUNGEN KLOSTERNEUBURG, vol.68, pp.67-81, 2018 (SCI-Expanded)
- XVII. **AN ASSESSMENT OF THE RELATION BETWEEN COLD-HARDINESS AND BIOCHEMICAL CONTENTS OF WINTER BUDS OF GRAPEVINE CV. 'KARAERIK' IN ACCLIMATION-HARDENING-DEACCLIMATION PHASES**  
Rende M., KÖSE C., Kaya O.  
MITTEILUNGEN KLOSTERNEUBURG, vol.68, no.2, pp.67-81, 2018 (SCI-Expanded)
- XVIII. **Determination of resistance to low temperatures of winter buds on lateral shoot present in Karaerik (*Vitis vinifera* L.) grape cultivar**  
Kaya O., KÖSE C.  
ACTA PHYSIOLOGIAE PLANTARUM, vol.39, no.9, 2017 (SCI-Expanded)
- XIX. **Yield and mineral composition of grapevine (*Vitis vinifera* L. cv. Karaerik) as affected by boron management**  
GÜNEŞ A., KÖSE C., TURAN M.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.39, no.5, pp.742-752, 2015 (SCI-Expanded)
- XX. **Comparative evaluation of oxidative enzyme activities during adventitious rooting in the cuttings of grapevine rootstocks**  
KÖSE C., ERDAL S., KAYA O., ATICI Ö.  
Journal of the Science of Food and Agriculture, vol.91, no.4, pp.738-741, 2011 (SCI-Expanded)
- XXI. **Effects of direct electric current on adventitious root formation of a grapevine rootstock**  
Kose C.  
AMERICAN JOURNAL OF ENOLOGY AND VITICULTURE, vol.58, no.1, pp.120-123, 2007 (SCI-Expanded)
- XXII. **Effects of Auxins and cytokinins on Graft Union of Grapevine *Vitis vinifera***  
KÖSE C., GÜLERYÜZ M.  
New Zealand Journal Of Crop And Horticultural Science, vol.34, pp.145-150, 2006 (SCI-Expanded)
- XXIII. **Effects of Some Plant Growth Promoting Rhizobacteria (PGPR) on Graft Union of Grapevine.**  
KÖSE C., Güleriyüz M., Şahin F., Demirtaş İ.  
JOURNAL OF SUSTAINABLE AGRICULTURE, vol.26, no.2, pp.139-147, 2005 (SCI-Expanded)
- XXIV. **Effects of some plant growth promoting rhizobacteria (PGPR) on graft union of grapevine**  
KÖSE C., Güleriyüz M., Şahin F., Demirtaş İ.  
JOURNAL OF SUSTAINABLE AGRICULTURE, vol.26, no.2, pp.139-147, 2005 (SCI-Expanded)
- XXV. **Seaweed extracts improve copper uptake of grapevine**  
Turan M., Kose C.  
ACTA AGRICULTURAE SCANDINAVICA SECTION B-SOIL AND PLANT SCIENCE, vol.54, no.4, pp.213-220, 2004 (SCI-

Expanded)

## Articles Published in Other Journals

- I. **Kayısının İlbahar Geç Donlarına Toleransı Üzerine "Azospirillum brasilense" İzolatlarının Etkisi Gelişimine Etkisi**  
KAYA Ö., KESKİN S., KÖSE C., TURAN M.  
Fruit Research Institute Egirdir Isparta Turkey, vol.10, no.1, pp.1-5, 2023 (Peer-Reviewed Journal)
- II. **Sofralık Üzüm Çeşitlerinde Potasyum Uygulamasının Don Toleransına Etkileri**  
GÜLBASAR KANDİLLİ G., SÖYLEMEZOĞLU G., KÖSE C., ATAK A.  
Bahçe, vol.52, no.52, pp.102-110, 2023 (Peer-Reviewed Journal)
- III. **The Relationship Between Bud Size and Exotherm Formation in Dormant Buds of Grapevine**  
KÜPE M., KÖSE C.  
Atatürk Üniversitesi Ziraat Fakültesi Dergisi, vol.51, no.3, pp.243-248, 2020 (Peer-Reviewed Journal)
- IV. **Determination of Cold Damage in Field and Laboratory Conditions in Dormant Buds of Karaerik Grape Cultivar**  
KÜPE M., KÖSE C.  
Atatürk Üniversitesi Ziraat Fakültesi Dergisi, vol.50, pp.115-121, 2019 (Peer-Reviewed Journal)
- V. **Termal Analiz ve Diferansiyel Termal Analiz Yöntemleri Karşılaştırılarak Asma Kış Gözlerine Ait Ölüm Noktalarının Tespiti**  
Kaya Ö., KÖSE C.  
Türk Tarım ve Doğa Bilimleri Dergisi, vol.6, no.1, pp.118-124, 2019 (Peer-Reviewed Journal)
- VI. **Düşük Sıcaklık Zararının Asma Üzerindeki Etkileri**  
KAYA Ö., KÖSE C.  
Yüzüncüyl Üniversitesi Tarım Bilimleri Dergisi, vol.28, pp.241-253, 2018 (Scopus)
- VII. **Determination of Resistance to Temperatures of Winter Buds According to Position in Karaerik (V. vinifera L.) Grape Cultivar**  
KÖSE C., KAYA Ö.  
International Journal of Scientific and Research Publications, vol.7, pp.64-68, 2017 (Peer-Reviewed Journal)
- VIII. **Evaluation of Cold Tolerance of Dormant Buds According to Position Using Thermal Analysis in Karaerik (V. vinifera L.) Grape**  
Buztepe A., KÖSE C., Kaya Ö.  
International Journal of Research and Review, vol.4, no.10, pp.38-45, 2017 (Peer-Reviewed Journal)
- IX. **Determination of Cold Damage and Lipid Peroxidation Levels of Karaerik (Vitis vinifera L.) Grape Cultivar Having Different Trunk Height in Winter Buds**  
KALKAN N. N., KAYA Ö., KARADOĞAN B., KÖSE C.  
ALINTERI JOURNAL OF AGRICULTURE SCIENCES, vol.32, no.1, pp.11-17, 2017 (ESCI)
- X. **Farklı Rakımlardaki Karaerik Üzüm Bağlarında Kış Soğuklarının Yol Açtığı Zararlar**  
KÜPE M., KÖSE C.  
Yalova Atatürk Bahçe Kültürleri Merkez Araştırma Enstitüsü Dergisi, vol.45, pp.636-641, 2016 (Peer-Reviewed Journal)
- XI. **Karaerik Üzüm Çeşidinde Kış Soğuklarından Sonra Zarar Düzeyine Bağlı Olarak Uygun Budama Seviyelerinin Tespit Edilmesi**  
KÜPE M., KÖSE C.  
Atatürk Üniversitesi Ziraat Fakültesi Dergisi, vol.46, pp.21-28, 2016 (Peer-Reviewed Journal)
- XII. **Hava Kirliliğinin Asmalar Üzerindeki Etkileri**  
KÜPE M., KÖSE C.  
MEYVE BİLİMİ/FRUIT SCIENCE, vol.1, no.1, pp.27-33, 2013 (Peer-Reviewed Journal)
- XIII. **Effects of Some Plant Growth Promoting Rhizobacteria PGPR on Rooting of Grapevine Rootstocks**  
KÖSE C., GÜLERYÜZ M., ŞAHİN F., Demirtaş İ.

Acta Agrobotanica, vol.56, pp.47-52, 2003 (ESCI)

- XIV. **Olur (Erzurum) İlçesi'xnde Yetiştirilen Üzüm Çeşitlerinin Ampelografik Özellikleri**  
GÜLERYÜZ M., KÖSE C.  
Atatürk Üniversitesi Ziraat Faktesi Dergisi, vol.34, pp.205-209, 2003 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Chapter 8. An Important Value 'Karaerik' Grape Cultivar (Vitis Vinifera L.): An Overview Of It With Studies In The Light Of Literature**  
Kaya Ö., KÖSE C., Kalkan N. N., Gecim T., Karadoğan B., Bozkurt A.  
in: Agricultural and Natural Research & Reviews, Birhan Kunter; Nurhan Keskin, Editor, Livre de Lyon, Lyon, pp.135-148, 2021

## Refereed Congress / Symposium Publications in Proceedings

- I. **EFFECTS OF THE APPLICATION OF SALICYLIC ACID IN DIFFERENT CONCENTRATIONS ON THE ROOTING OF RAMSEY VINE ROOTSTOCK**  
KÜPE M., KÖSE C.  
XXX. INTERNATIONAL HORTICULTURAL CONGRESS, İstanbul, Turkey, 12 - 16 August 2018
- II. **Effects of Trellising and Baran systems on frost tolerance in Üzümlü (Erzincan) vineyards**  
KÜPE M., KÖSE C.  
XXX. INTERNATIONAL HORTICULTURAL CONGRESS, İstanbul, Turkey, 12 - 16 August 2018
- III. **Karaerik Üzüm Çeşidinde Koltuk Sürgünü Varlığının Kış Gözlerindeki Lipid Peroksidasyon Aktivitesine Etkisi**  
KAYA Ö., KÖSE C.  
Uluslararası Erzincan Sempozyumu, Erzincan, Turkey, 28 September - 01 October 2016, vol.3, pp.689-692
- IV. **Memeli Cinsiyet Hormonlarının Asmada İn vitro Şartlarda Etkileri**  
YILDIZ H., KÖSE C., EŞİTKEN A., ERDAL S., DUMLUPINAR R.  
VII. Türkiye Bağcılık ve Teknolojileri Sempozyumu, Turkey, 5 - 09 October 2009

## Supported Projects

- KÖSE C., Project Supported by Higher Education Institutions, Termal Değişiklik Analizörü - 2, 2022 - 2024
- KÖSE C., Project Supported by Higher Education Institutions, Termal Değişiklik Analizörü, 2019 - 2022
- KÖSE C., KÜPE M., Project Supported by Higher Education Institutions, ASMA GÖZLERİNDE DÜŞÜK SICAKLIK EKZOTERMLERİNİN KARAKTERİSTİK YAPILARI VE GÖZ YAPISI İLE İLİŞKİLERİNİN BELİRLENMESİ, 2016 - 2018
- Atıcı Ö., Köse C., TUBITAK Project, Diferansiyel Termal Analiz Yönteminin Optimizasyonu ve Hızlı Soğuma Erimenin Asma Vitis vinifera L Don Toleransı Üzerindeki Etkilerinin Belirlenmesi, 2015 - 2018
- KÖSE C., Project Supported by Higher Education Institutions, KARAERİK ÜZÜM ÇEŞİDİ KIŞ GÖZLERİNİN AKLİMASYON-DAYANIKLILIK- DEAKLİMASYON EVRELERİNDEKİ BİYOKİMYASAL İÇERİKLERİ İLE SOĞUĞA DAYANIMLARI ARASINDAKİ İLİŞKİNİN BELİRLENMESİ, 2015 - 2016
- KÖSE C., KÜPE M., Project Supported by Higher Education Institutions, KARAERİK ÜZÜM ÇEŞİDİNDE KIŞ SOĞUKLARINDAN SONRA UYGUN BUDAMA SEVİYELERİNİN TESPİT EDİLMESİ, 2012 - 2013

## Patent

- Köse C., BİTKİ DOKU VE ORGANLARI İÇİN DON TESTİ SİSTEMİ, Utility Model, CHAPTER G Physics, The Invention Registration Number: 1111111 , Standard Registration, 2022

## **Scientific Refereeing**

TUBITAK Project, March 2019

## **Metrics**

Publication: 44

Citation (WoS): 299

Citation (Scopus): 333

H-Index (WoS): 10

H-Index (Scopus): 10

## **Non Academic Experience**

Atatürk Üniversitesi Ziraat Fakültesi