

# Assoc. Prof. HARUN KARCI

## Personal Information

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### International Researcher IDs

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Yoksis Researcher ID: 241734



## Education Information

2017 - 2022	Doctorate, Cukurova University, Ziraat Fakültesi, Bahçe Bitkileri, Turkey
2015 - 2017	Postgraduate, Cukurova University, Ziraat Fakültesi, Bahçe Bitkileri, Turkey
2007 - 2012	Undergraduate, Bursa Uludağ University, Ziraat Fakültesi, Bahçe Bitkileri, Turkey

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

2022	Antepfistiğında ( <i>Pistacia vera</i> L.) yeni nesil tekrar-sekanslama verilerinde biyoinformatik araçlarla mutasyonların tespiti ve meyve özellikleri ile bağlantılı lokusların ilişkili haritalama yöntemi ile belirlenmesi, Cukurova University, Ziraat Fakültesi, Bahçe Bitkileri, Doctorate
2017	ANTEPFISTIĞINDAN GELİŞTİRİLEN EST-SSR MARKÖRLER İLE <i>Pistacia</i> TÜRLERİNİN FİLOGENETİK ANALİZİ, Cukurova University, Ziraat Fakültesi, Bahçe Bitkileri, Postgraduate

## Research Areas

Agricultural Sciences, Agriculture, Garden Plants, Biotechnology and Genetics, Bioinformatics

## Academic Titles / Tasks

2024 - Continues	Associate Professor, Cukurova University, Ziraat Fakültesi, Bahçe Bitkileri
2015 - 2022	Research Assistant, Cukurova University, Ziraat Fakültesi, Bahçe Bitkileri

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

- I. Development of a high-density genetic linkage map and identification of quantitative trait loci (QTLs) associated with *Botrytis cinerea* resistance in strawberry (*Fragaria × ananassa* Duch.) SÖNMEZ D. A., KARCI H., TOPÇU H., BİLGİN Ö. F., GÜNAÇTI H., TEVFİK H., ÖZGÖREN B., RONIN Y., BARALDI E., KAFKAS S., et al.  
Turkish Journal of Agriculture and Forestry, vol.48, no.5, pp.677-691, 2024 (SCI-Expanded)
- II. Identification of a major QTL region and candidate genes responsible for harvest date combining QTL mapping and QTL-seq approaches in walnut (*Juglans regia* L.)

Kazan M., Karıcı H., Karaarslan D., Sütyemez M., Kafkas S.

SCIENTIA HORTICULTURAE AN INTERNATIONAL JOURNAL, vol.337, no.113576, pp.1-9, 2024 (SCI-Expanded)

- III. **Exploring nut quality traits in almond varieties: a comparative study of local and foreign cultivars and their F1 hybrid offsprings**  
Özcan H., GÜNEY M., KARCI H., Tevfik H., KAFKAS S., Acar İ., YAŞA KAFKAS N. E.  
Euphytica, vol.220, no.7, 2024 (SCI-Expanded)
- IV. **Assessment of sex, nut weight, germination vigour, stem growth, and development traits of pistachio cultivars (*Pistacia vera* L.) used as rootstock**  
Verel Ş., Karıcı H., Kafkas S.  
NEW ZEALAND JOURNAL OF CROP AND HORTICULTURAL SCIENCE, vol.1, no.1, pp.1-14, 2024 (SCI-Expanded)
- V. **The first complete chloroplast genome sequences of *Pistacia eurycarpa* Yalt, a horticultural important rootstock and industrial tree**  
Karcı H., Kafkas S.  
Genetic Resources and Crop Evolution, vol.1, no.1, pp.1-14, 2024 (SCI-Expanded)
- VI. **Validation and implementation of marker-assisted selection (MAS) for the leafing date trait in Persian walnut populations from Iran**  
Fallah M., Paizila A., Karıcı H., Arab M. M., Sarikhani S., Suprun I., Rasouli M., Hassani D., Kafkas S., Vahdati K.  
EUPHYTICA, vol.1, no.1, pp.220-225, 2024 (SCI-Expanded)
- VII. **QTL-seq for the identification of candidate genes responsible for double seeds in almond**  
Karcı H.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.47, pp.633-644, 2023 (SCI-Expanded)
- VIII. **Development of Novel Genic SSR Markers and Their Transferability Across the Genus *Pistacia* Species and Comparison of In Silico Genomic SSRs and Genic SSRs in Pistachio**  
Karcı H.  
PLANT MOLECULAR BIOLOGY REPORTER, vol.1, no.1, pp.1-10, 2023 (SCI-Expanded)
- IX. **Construction of a high-density genetic linkage map and QTL analysis using an interspecific F1 population in pistachio**  
Islam M. R., Tevfik H., Topçu H., Karıcı H., Kafkas S.  
Tree Genetics & Genomes, vol.19, pp.1-11, 2023 (SCI-Expanded)
- X. **Construction of high density linkage maps in almond and synteny analysis with peach, Japanese apricot and sweet cherry genomes**  
Tevfik H., Karıcı H., Wai J., Kafkas S.  
EUPHYTICA, vol.219, pp.1-18, 2023 (SCI-Expanded)
- XI. **Pistachio genomes provide insights into nut tree domestication and ZW sex chromosome evolution**  
Kafkas S., Ma X., Zhang ., Topçu H., Navajas-Pérez R., Wai C. M., Tang H., Xu ., Güney M., Khodaeiaminjan ., et al.  
PLANT COMMUNICATIONS, vol.4, pp.1-19, 2023 (SCI-Expanded)
- XII. **Revealing genetic diversity and population structure in Pistachio (*Pistacia vera* L.) by SSR markers**  
KARCI H., PAİZİLA A., Guney M., Zhaanbaev M., KAFKAS S.  
GENETIC RESOURCES AND CROP EVOLUTION, vol.69, no.8, pp.2875-2887, 2022 (SCI-Expanded)
- XIII. **Molecular Characterization of Almond Cultivars Using Simple Sequence Repeat Markers**  
Esgandaripirmorad F., KARCI H., PAİZİLA A., Topcu H., KAFKAS S.  
ERWERBS-OBSTBAU, vol.64, no.3, pp.463-474, 2022 (SCI-Expanded)
- XIV. **Quantitative trait loci analysis for flower-related traits in almond (*Prunus dulcis*)**  
PAİZİLA A., KARCI H., Motalebipour E. Z., Guney M., KAFKAS S.  
PLANT BREEDING, vol.141, no.1, pp.119-132, 2022 (SCI-Expanded)
- XV. **Sugar, Invertase Enzyme Activities and Invertase Gene Expression in Different Developmental Stages of Strawberry Fruits**  
Topcu H., Degirmenci I., Sonmez D. A., PAİZİLA A., KARCI H., KAFKAS S., YAŞA KAFKAS N. E., ERCİŞLİ S., Alatawi A.  
PLANTS-BASEL, vol.11, no.4, 2022 (SCI-Expanded)
- XVI. **Transcriptome Sequencing and Development of Novel Genic SSR Markers From *Pistacia vera* L.**  
Karcı H., Paizila A., Topcu H., Ilikcioglu E., Kafkas S.

- FRONTIERS IN GENETICS, vol.11, 2020 (SCI-Expanded)
- XVII. **Characterization of quince (*Cydonia oblonga* Mill.) accessions by simple sequence repeat markers**  
Güney M., Kafkas S., Koç A., Aras S., Keles H., Karcı H.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.43, pp.69-79, 2019 (SCI-Expanded)
- XVIII. **Marker-assisted cultivar breeding in pistachio**  
Kafkas S., GOZEL H., KARCI H., BOZKURT H., PAIZILA A., TOPÇU H., COBAN N., KEFAYATI S., Islam M., ZHAANBAEV M., et al.  
Acta Horticulturae, vol.1219, pp.63-65, 2018 (SCI-Expanded)
- XIX. **The possible role of macroelement content on bud abscission in pistachio (*Pistacia vera* L.)**  
Gündeşli M., Kafkas S., Güney M., Zarıfıkhosroshahı M., Topçu H., Coban N., Karcı H., Aslan N., Kafkas N.  
Acta Horticulturae, vol.1219, pp.99-104, 2018 (SCI-Expanded)
- XX. **Genetic variation within the purple carrot population grown in Ereğli District in Turkey**  
Ipek A., Turkmen O., FİDAN S., Ipek M., Karcı H.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.40, no.4, pp.570-576, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Impact of Mark Duplicate Reads During Variant Calling in Next Generation Sequencing (NGS) Data of *Pistacia vera* L.**  
Karcı H., Kafkas S.  
Ereğli Tarım Bilimleri Dergisi, vol.4, no.1, pp.11-18, 2024 (Scopus)
- II. **Detection of in silico SSR Markers Specific to Uzun and Kırmızı Cultivars in Pistachio**  
KARCI H.  
TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, vol.11, no.10, pp.1947-1952, 2023  
(Peer-Reviewed Journal)
- III. **Quality index based on fatty acids for Syrian pistachio cultivars (*Pistacia vera* L.) grown in Mascara (North-West of Algeria)**  
BOUALEM S. A., KARCI H., KAFKAS S., ELOUISSI A., Nogay G.  
ACTA AGRICULTURAE SLOVENICA, vol.118, no.4, pp.0-8, 2022 (Scopus)
- IV. **Evaluation of genetic structure of pistachio through whole genome resequencing**  
KARCI H., KAFKAS S.  
International Journal of Agriculture, Environment and Food Sciences, vol.6, no.1, pp.135-140, 2022 (Peer-Reviewed Journal)
- V. **Determination of The Chlorophyll Content of Pistachio (*Pistacia vera* L.) Kernels Using Various Extraction Techniques**  
NOGAY G., ATTAR Ş. H., GÜNDÜZ L. N., KAFKAS S., KAFKAS N. E., KARCI H.  
Journal On Processing and Energy in Agriculture, 2019 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Quantitative Trait Loci Associated with Agronomical Traits in Strawberry**  
KARCI H., Tevfik H., KAFKAS N. E., KAFKAS S.  
in: Recent Studies on Strawberries, Kafkas, Nesibe Ebru, Editor, IntechOpen, London, pp.1-23, 2023
- II. **Antepfıstığında Periyodisite**  
Karcı H., Kafkas S.  
in: ANTEPFİSTİĞİ (*Pistacia vera* L.), Muhammet Ali Gündeşli, Editor, İksad Yayınevi, Adıyaman, pp.363-383, 2022
- III. **Antepfıstığı Çeşitleri**  
Karcı H.  
in: ANTEPFİSTİĞİ (*Pistacia vera* L.), Muhammet Ali Gündeşli, Editor, İksad Yayınevi, Adıyaman, pp.327-362, 2022

#### IV. Association Mapping in Plants

Karcı H., Paizila A., Kafkas S.

in: Tarım Akademik Araştırmalar, D.Ali Arslan, Editor, Paradigma Academic, İstanbul, pp.149-170, 2020

### Refereed Congress / Symposium Publications in Proceedings

- I. **EXTREME-PHENOTYPE GENOME-WIDE ASSOCIATION STUDY (XP-GWAS)**  
Karcı H.  
7. INTERNATIONAL DICLE SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, Diyarbakır, Turkey, 26 - 27 October 2024, pp.270-274
- II. **THE MAJOR IMPACTS OF GENOMIC STRUCTURAL VARIANTS IN PLANT BREEDING**  
Karcı H.  
7. INTERNATIONAL DICLE SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, Diyarbakır, Turkey, 26 - 27 October 2024, pp.265-268
- III. **COPY NUMBER POLYMORPHISM IN HAZELNUT WHOLE GENOME RE-SEQUENCING DATA**  
KARCI H.  
CUKUROVA 8th INTERNATIONAL SCIENTIFIC RESEARCHES CONFERENCE, 15 - 17 April 2022
- IV. **DETECTION OF STRUCTURAL VARIANTS IN HAZELNUT WHOLE GENOME RE-SEQUENCING DATA**  
KARCI H.  
CUKUROVA 8th INTERNATIONAL SCIENTIFIC RESEARCHES CONFERENCE, 15 - 17 April 2022
- V. **The Effect of Cowpea (*Vigna unguiculata*) On Human Health**  
GÜNEY M., GÜNDEŞLİ M. A., KARCI H.  
III. Balkan Agricultural Congress, 29 August - 01 September 2021
- VI. **Genome Annotation In Plants Using ENSEMBL**  
KARCI H., GÜNEY M., KAFKAS S., TOPÇU H.  
III. Balkan Agricultural Congress, 29 August - 01 September 2021
- VII. **SALINITY AND DROUGHT STRESS IN WALNUT**  
Paizila A., Ada M., Karcı H.  
III. Balkan Agriculture Congress, Edirne, Turkey, 29 August - 01 September 2021, pp.345-348
- VIII. **WALNUT GENOME SEQUENCING – PAST, PRESENT AND FUTURE**  
paizila a., GÜNEY M., KARCI H.  
4. International Mediterranean Symposium, 22 - 24 October 2020
- IX. **PISTACIA ATLANTICA’NIN MORFOLOJİSİ VE TÜRKİYE’DEKİ DAĞILIŞI**  
BİLGİN Ö. F., GÜNEY M., KARCI H.  
4. International Mersin Symposium, Turkey, 22 - 24 October 2020
- X. **SEKANSLAMA YOLUYLA GENOTİPLENDİRME**  
KARCI H., GÜNEY M., KAFKAS S.  
4. International Mediterranean Symposium, 22 - 24 October 2020
- XI. **PISTACIA TÜRLERİ VE TAKSONOMİSİ**  
KAFKAS S., GÜNEY M., KARCI H.  
4. International Mediterranean Symposium, 22 - 24 October 2020
- XII. **ANTEPFISTIĞI YETİŞTİRİCİLİĞİNDE KULLANILAN ANAÇLAR**  
Gündeşli M. A., KAFKAS S., KARCI H.  
4. International Mediterranean Symposium, 22 - 24 October 2020
- XIII. **MİRNA’NIN BİTKİLERDEKİ ROLÜ**  
topçu h., KARCI H., KAFKAS S.  
4. International Mediterranean Symposium, 22 - 24 October 2020
- XIV. **ANTEPFISTIĞINDA GENİK BASİT DİZİ TEKRARLARI**  
GÜNEY M., KARCI H., KAFKAS S.  
4. International Mediterranean Symposium, Mersin, Turkey, 22 - 24 October 2020

- XV. **PISTACHIO ROOTSTOCKS AND ROOTSTOCK BREEDING**  
KAFKAS S., KARCI H., GÜNEY M.  
4. International Mediterranean Symposium, 22 - 24 October 2020
- XVI. **YENİ NESİL DİZİLEME VERİLERİNDEN SNP BÖLGELERİNİN BELİRLENMESİ**  
KARCI H., KAFKAS S.  
4. International Mediterranean Symposium, 22 - 24 October 2020
- XVII. **P. lentiscus'un MORFOLOJISI, DAĞILIŞI VE KULLANIM ALANLARI**  
BİLGİN Ö. F., KAFKAS S., KARCI H.  
2.Uluslararası Mersin Sempozyumu, 23 - 25 May 2019, vol.4
- XVIII. **History of Next Generation Sequencing**  
GÜNEY M., KAFKAS S., KARCI H.  
2. International Mersin Symposium, Mersin, Turkey, 23 - 25 May 2019, vol.3, pp.256-262
- XIX. **Yeni Nesil Dizileme Teknolojisinin Bitki Islahında Kullanımı**  
KARCI H., GÜNEY M., KAFKAS S.  
2. International Mersin Symposium, Mersin, Turkey, 23 - 25 May 2019, vol.3, pp.284-292
- XX. **Bitkilerde İlişkili Haritalama (Am) Ve Markör Geliştirme**  
KARCI H., GÜNEY M., KAFKAS S.  
2. International Mersin Symposium, Mersin, Turkey, 23 - 05 May 2019, vol.3, pp.293-301
- XXI. **Pistacia eurycarpa'nın DAĞILIMI VE MORFOLOJİSİ**  
BİLGİN Ö. F., KAFKAS S., KARCI H.  
2.Uluslararası Mersin Sempozyumu, 23 - 25 May 2019, vol.4
- XXII. **Yabani Pistacia Türlerinde Basit Dizi Tekrar Markörleri**  
TOPCU H., KARCI H., GÜNEY M.  
2. International Mersin Symposium, Mersin, Turkey, 23 - 25 May 2019, vol.3, pp.365-372
- XXIII. **Bitkilerde Mads-Box Transkripsiyon Faktör Ailesinin Rolü**  
GÜNDÜZ L., GÜNEY M., KARCI H.  
2. International Mersin Symposium, Mersin, Turkey, 23 - 25 May 2019, vol.3, pp.330-336
- XXIV. **SSR Markers In Cultivated Pistachio**  
GÜNEY M., KAFKAS S., KARCI H.  
2. International Mersin Symposium, Mersin, Turkey, 23 - 25 May 2019, vol.3, pp.243-248
- XXV. **Bitkilerde Qtl-Seq Yöntemi Ile Hızlı Qtl Haritalama**  
KARCI H., GÜNEY M., KAFKAS S.  
2. International Mersin Symposium, Mersin, Turkey, 23 - 25 May 2019, vol.3, pp.275-283
- XXVI. **Main Issues In Pistachio Production**  
GÜNEY M., KAFKAS S., KARCI H.  
2. International Mersin Symposium, Mersin, Turkey, 23 - 25 May 2019, vol.3, pp.249-255
- XXVII. **Bitkilerde Cinsiyet Belirlenmesinde Küçük RNA'ların Rolü**  
TOPCU H., KARCI H., KAFKAS S.  
2.Uluslararası Mersin Sempoyumu, 2 - 25 May 2019, vol.3
- XXVIII. **Progress in Cultivar Breeding of Walnut**  
KARCI H., GÜNEY M., KAFKAS S.  
1.International Mersin Symposium, 1 - 03 November 2018, vol.3
- XXIX. **Molecular Marker Techniques for Plant Breeding**  
GÜNEY M., KARCI H., KAFKAS S.  
1. International Mersin Symposium, Mersin, Turkey, 1 - 03 November 2018, vol.3, pp.195-200
- XXX. **Progress in Pistachio Cultivar Breeding**  
KAFKAS S., KARCI H., GÜNEY M.  
1. International Mersin Symposium, Mersin, Turkey, 1 - 03 November 2018, vol.3, pp.210-214
- XXXI. **Simple Sequence Repeat Markers: Are they still useful**  
PAİZİLA a., KAFKAS S., KARCI H.  
1.International Mersin Symposium, 1 - 03 November 2018, vol.3

- XXXII. **Phylogenetic Analysis of the Genus Pistacia by EST-SSR Markers**  
KARCI H., KAFKAS S.  
1. International Mersin Symposium, 1 - 03 November 2018, vol.3
- XXXIII. **Marker-Assisted Selection in Nuts**  
KAFKAS S., GÜNEY M., KARCI H.  
1. International Mersin Symposium, Mersin, Turkey, 1 - 03 November 2018, vol.3, pp.215-220
- XXXIV. **Uses of Different Molecular Marker Techniques in Quince**  
GÜNEY M., KARCI H.  
1. International Mersin Symposium, Mersin, Turkey, 1 - 03 November 2018, vol.3, pp.201-205
- XXXV. **Development of EST-SSR markers in pistachio (*Pistacia vera* L.) by transcriptome sequencing**  
KARCI H., KAFKAS S.  
1. International Mersin Symposium, 1 - 03 November 2018, vol.3
- XXXVI. **Progress in Pistachio Production and Cultivation in the World**  
KAFKAS S., KARCI H., GÜNEY M.  
1. International Mersin Symposium, Mersin, Turkey, 1 - 03 November 2018, vol.3, pp.221-225
- XXXVII. **Characterization of Different Hawthorn Germplasm by Molecular Markers**  
GÜNEY M., KARCI H.  
1. International Mersin Symposium, Mersin, Turkey, 1 - 03 November 2018, vol.3, pp.189-194
- XXXVIII. **Marker-Assisted Cultivar Breeding in Pistachio**  
KAFKAS S., gözel h., KARCI H., paizila a., topçu h., çoban n., kefayati s., islam r., zhaanbaev m., KAFKAS N. E., et al.  
VII International Symposium on Almonds and Pistachios, 5 - 09 November 2017
- XXXIX. **Comparison of phenolic compounds and antioxidant capacity of Uzun pistachio (*Pistacia vera* L.) variety**  
KAFKAS N. E., KAFKAS S., ZARİFİKHOŞROŞAHI M., KARCI H., GÜNEY M., TOPÇU H., GÜNDEŞLİ M., REDDAD C., İLBİLGE o., CAM E.  
International Symposium on Quality and Safety of Horticultural Products, 12 - 16 August 2018
- XL. **Differentially Expressed Mirnas in The Inflorescence Buds From 'On-Year' and 'Off-Year' Trees in Pistachio.**  
Zarifikhosroshahi M., KAFKAS S., KAFKAS N. E., Topçu H., KARCI H., GÜNEY M., Paizila H.  
COST Action CA15223, WG1 Meeting: "Comparing siRNA and miRNA technology and role for improving perennial plants" Linked to "ISHS International conference on Grape Biotechnology", Bordeaux (FR), Bordeaux, France, 17 - 18 July 2018
- XLI. **Expression of Candidate Genes Responsible For Bud Abcission In Pistachio**  
KAFKAS N. E., ZARİFİKHOŞROŞAHI M., TOPÇU H., Khodaeiaminjan M., Gündeşli M. A., ÇOBAN N., GÜNEY M., PAIZILA A., KARCI H., Kefayati S., et al.  
iPlanta Cost Action CA15223, 2nd iPlanta Conference, Poznan, Poland, 14 February 2018
- XLII. **Expression analysis of candidate genes responsible for bud abscission in pistachio**  
KAFKAS S., KAFKAS N. E., GÜNEY M., Zarifikhosroshahi M., KARCI H., Çoban N., Topçu H., Gündeşli M., ETİ S., KARABIYIK Ş., et al.  
1st COST iPlanta Conference Creating A Plant Rnai Research Network, COST Action CA15223, Roma, Italy, 14 - 16 February 2018
- XLIII. **Expression analysis of Candidate Genes Responsible For Bud Abcission in 'Uzun' Pistachio variety**  
KAFKAS N. E., KAFKAS S., GÜNEY M., ZARİFİKHOŞROŞAHI M., KARCI H., Çoban N., TOPÇU H., GÜNDEŞLİ M., ETİ S., KARABIYIK Ş., et al.  
VII International Symposium On Almonds Pistachios, Adelaide, Australia, 5 - 09 November 2017
- XLIV. **Pistachio Genome Sequencing and Assembly**  
KAFKAS S., KARCI H., YAŞA KAFKAS N. E.  
VII International Symposium on Almonds and Pistachios, Adelaide, Australia, 5 - 09 November 2017, pp.1
- XLV. **In silico polymorphic SSR marker development and genetic linkage map construction in pistachio**  
Khodaeiaminjan M., KAFKAS S., KARCI H., Ziya Motalebipour E., Çoban N., Gozel H.  
VII International Symposium on Almonds and Pistachios, Adelaide, Australia, 5 - 09 November 2017, pp.1

## XLVI. Cevizde F1 Melez Bitkilerin Meyvelerinde Besin Elementi İçeriklerinin Belirlenmesi

ÖZCAN H., KAFKAS N. E., ÖZCAN A., SÜTYEMEZ M., KÖMÜR Y. K., BÜKÜCÜ Ş. B., KARCI H., GÜNEY M., OLUT B., DAŞGAN H. Y., et al.

III. Ceviz Sempozyumu, Bolu, Turkey, 13 October 2016 - 15 October 2015, pp.443

## Supported Projects

2023 - Continues	Antepfıstığında QTLseq Haritalama Yöntemi Kullanarak Cinsiyet ile Bağlantılı Kantitatif Özellik Lokuslarının Belirlenmesi ve Islahta Kullanılabilir DNA Markörlerinin Geliştirilmesi, Project Supported by Higher Education Institutions
2023 - Continues	Atlantik Sakızı Çiçek Tomurcuklarında Erkek ve Dişi Organ Gelişiminde Sorumlu Olan Genlerin Belirlenmesi, Project Supported by Higher Education Institutions
2019 - 2023	Antepfıstığında Pistacia vera L ilişkili Haritalama Yöntemi Kullanılarak Meyve Özellikleri İle Bağlantılı DNA Markörlerinin Geliştirilmesi, Project Supported by Higher Education Institutions
2020 - 2022	Cinsiyet ile Bağlantılı Bazı Aday miRNAların qPCR ile Validasyonu, Project Supported by Higher Education Institutions
2017 - 2022	Yeni Antepfıstığı Çeşitlerinin Geliştirilmesi, Project Supported by Higher Education Institutions
2017 - 2020	Kaolin Uygulaması Yapılan Bazı Yerli ve Yabancı Ceviz Çeşitlerinin Meyvelerinde Yağ Asidi ve Tokoferol İçeriklerinin Karakterizasyonu, Project Supported by Higher Education Institutions
2018 - 2019	Ceviz genetik kaynaklarının SNP markörleri ile karakterizasyonu, Project Supported by Higher Education Institutions
2018 - 2019	Malatya İlinde Yetiştirilen Bazı Kayısı Çeşitlerinin Meyvelerinde Uçucu Aroma Bileşiklerinin HS-SPME/GC/MS Tekniği ile Belirlenmesi, Project Supported by Higher Education Institutions
2016 - 2019	Modifying plants to produce interfering RNA, Project Supported by Higher Education Institutions
2017 - 2018	Bağyolu P vera Erkek Çeşidinin DNA Dizisinin Elde Edilmesi, Project Supported by Higher Education Institutions
2017 - 2018	Bazı bitki büyümeyi düzenleyicilerin antepfıstığında periyodisite üzerine etkisinin belirlenmesi, Project Supported by Higher Education Institutions
2017 - 2018	Pverada Genik Mikrosatellitlerin Polimorfizm Durumlarının Belirlenmesi, Project Supported by Higher Education Institutions
2016 - 2017	ANTEPFISTIĞINDAN GELİŞTİRİLEN EST-SSR MARKÖRLER İLE Pistacia TÜRLERİNİN FİLOGENETİK ANALİZİ, Project Supported by Higher Education Institutions
2016 - 2017	Bazı Badem Populasyonlarının Meyvelerinde Tokoferol izomerlerinin ve Toplam Fenol İçeriklerinin HPLC Tekniği ile Belirlenmesi, Project Supported by Higher Education Institutions
2016 - 2016	Antepfıstığında PacBio Sekanslaması, Project Supported by Higher Education Institutions
2016 - 2016	Yeni nesil Sekanslama ile Antepfıstığında Cinsiyet ilişkili miRNA Dizilerin Belirlenmesi, Project Supported by Higher Education Institutions
2015 - 2016	Çilek Yetiştiriciliğinde Taze ve Frigo Fide Kullanımının Meyvelerde Kalite ile Biyoaktif Bileşikler Üzerine Etkilerinin Belirlenmesi, Project Supported by Higher Education Institutions

## Scientific Refereeing

August 2024	PEERJ, SCI Journal
July 2024	PLANT MOLECULAR BIOLOGY REPORTER, SCI Journal
July 2024	SCIENTIFIC REPORTS, SCI Journal
March 2024	Plant Diversity, SCI Journal
February 2024	CELLULAR AND MOLECULAR BIOLOGY, SCI Journal
February 2024	TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, SCI Journal
February 2024	INDUSTRIAL CROPS AND PRODUCTS, SCI Journal

## Metrics

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