

Asst. Prof. MÜJGAN GÜNEY

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAA-2371-2020

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Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Biyoteknoloji, Turkey 2015 - 2018

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Biyoteknoloji, Turkey 2013 - 2015

Undergraduate, Urmia University, Agriculture Faculty, Plant Protection, Iran 2002 - 2006

Foreign Languages

English, C1 Advanced

Research Areas

Agriculture, Garden Plants, Fruit Breeding and Breeding, Postharvest Physiology and Technology, Biotechnology and Genetics, Alkaloidal Crops (tobacco,tea,coffee,cacao,poppies,cola nuts,chicory,marijuana,etc.), Medicinal Plants, Aromatics, Biotechnology and Genetics

Academic Titles / Tasks

Assistant Professor, Yozgat Bozok University, Ziraat Fakültesi, Bahçe Bitkileri, 2022 - Continues

Courses

Biological and Physiological Principles of Horticultural Plants, Undergraduate, 2023 - 2024

Biochemistry of Horticultural Plants and Their Analysis Techniques, Postgraduate, 2023 - 2024

Chromatography Techniques in Plants, Postgraduate, 2022 - 2023

Plant Biotechnology, Postgraduate, 2023 - 2024

Introduction to Bioinformatics, Postgraduate, 2022 - 2023

Breeding of Uncultivated Fruit Species, Postgraduate, 2023 - 2024

Basic Computer Science, Undergraduate, 2022 - 2023

General Microbiology, Undergraduate, 2023 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Optimization of in vitro micropropagation protocol for *Eminium rauwolffii* var. *rauwolffii*: an ornamental plant with prominent pharmaceutical value**
GÜNEY M.
Genetic Resources and Crop Evolution, vol.70, no.8, pp.2439-2449, 2023 (SCI-Expanded)
- II. **DETECTION OF VOLATILE COMPOUNDS OF HYACINTH FLOWERS (*Hyacinthus orientalis* L.) FROM TURKEY**
GÜNEY M., Ergun Z., Alp S., Ozturk G. Y.
Comptes Rendus de L'Academie Bulgare des Sciences, vol.75, no.10, pp.1447-1453, 2022 (SCI-Expanded)
- III. **Characterization of Some Fruit Quality Traits on Apple 'Kasel-41' x 'Williams Pride' F1 Population**
Urek U., KAFKAS S., Zarifikhosroshahi M., Ozongun S., Atay A. N., ARAS S., YAŞA KAFKAS N. E.
ERWERBS-OBSTBAU, vol.63, no.3, pp.293-302, 2021 (SCI-Expanded)
- IV. **Genetic Diversity among Some Walnut (*Juglans regia* L.) Genotypes by SSR Markers**
Guney M., Kafkas S., Keles H., Zarifikhosroshahi M., Gundesli M. A., Ercişli S., Necas T., Bujdosó G.
SUSTAINABILITY, vol.13, no.12, 2021 (SCI-Expanded)
- V. **Genetic Diversity and Relationships of Terebinth (*Pistacia terebinthus* L.) Genotypes Growing Wild in Turkey**
Güney M., Kafkas S., Zarifikhosroshahi M., Gundesli M. A., Ercişli S., Holubec V.
AGRONOMY-BASEL, vol.11, no.4, 2021 (SCI-Expanded)
- VI. **Influence of stress factors on growth and pigment production in three *Dunaliella* species cultivated outdoors in flat-plate photobioreactors**
Hamed I., IŞIK O., Ak Çimen B., USLU L., YAŞA KAFKAS N. E., GÜNEY M.
Plant Biosystems, vol.155, no.1, pp.179-187, 2021 (SCI-Expanded)
- VII. **Fruit quality and biochemical characteristics of some early ripening Mandarin varieties**
YILMAZ B., ÇİMEN B., GÜNEY M., YEŞİLOĞLU T., İNCESU M., YAŞA KAFKAS N. E.
Fruits, vol.75, no.4, pp.145-152, 2020 (SCI-Expanded)
- VIII. **Variation in volatile and fatty acid contents among *Viburnum opulus* L. Fruits growing different locations**
GÜNEY M., Tugba Murathan Z., YAŞA KAFKAS N. E., OKATAN V.
Scientia Horticulturae, vol.264, 2020 (SCI-Expanded)
- IX. **EFFICIENCY OF VARIOUS PLANT GROWTH REGULATORS ON MICROPROPAGATION OF HAWTHORN (*CRATAEGUS* SPP.)**
GÜNEY M., Zarifikhosroshahi M., ÇÖMLEKÇİOĞLU S., Keles H., Gundesli M. A., YAŞA KAFKAS N. E., ERCİŞLİ S.
COMPTES RENDUS DE L ACADEMIE BULGARE DES SCIENCES, vol.73, no.1, pp.58-65, 2020 (SCI-Expanded)
- X. **Evaluation of polyphenolic profile and antibacterial activity of pomegranate juice in combination with rifampin (R) against MDR-TB clinical isolates**
Almatar M., VAR I., Kayar B., Eker E., YAŞA KAFKAS N. E., GÜNEY M., Köksal F.
Current Pharmaceutical Biotechnology, vol.20, no.4, pp.317-326, 2019 (SCI-Expanded)
- XI. **Role of endogenous polyamines in the alternate bearing phenomenon in pistachio**
Gündesli M. A., KAFKAS S., GÜNEY M., Kafkas N. E.
Turkish Journal of Agriculture and Forestry, vol.43, no.3, pp.265-274, 2019 (SCI-Expanded)
- XII. **Quality traits of green plums (*prunus cerasifera* ehrh.) at different maturity stages**
SARIDAŞ M. A., YAŞA KAFKAS N. E., GÜNEY M., Bozhaydar O., PAYDAŞ KARGI S.
Turkish Journal of Agriculture and Forestry, vol.40, no.5, pp.655-663, 2016 (SCI-Expanded)
- XIII. **Characterization of bioactive compounds in rosehip species from East Anatolia region of Turkey**
Murathan Z., GÜNEY M., YAŞA KAFKAS N. E., Sevindik E.

Italian Journal of Food Science, vol.28, no.2, pp.314-325, 2016 (SCI-Expanded)

- XIV. **Determination of fatty acids and volatile compounds in fruits of rosehip (*Rosa l.*) species by HS-SPME/GC-MS and IM-SPME/GC-MS techniques**
Murathan Z. T., GÜNEY M., YAŞA KAFKAS N. E.
Turkish Journal of Agriculture and Forestry, vol.40, no.2, pp.269-279, 2016 (SCI-Expanded)
- XV. **Volatile compounds of new promising dried apricot (*Prunus armeniaca* L.) genotypes**
İMRAK B., KÜDEN A., Yurtkulu V., KAFKAS S., GÜNEY M., ERCİŞLİ S., YAŞA KAFKAS N. E.
Notulae Botanicae Horti Agrobotanici Cluj-Napoca, vol.44, no.2, pp.1842-4309, 2016 (SCI-Expanded)
- XVI. **Comparison Of Volatile Compounds Of Fresh *Boletus Edulis* And *B. Pinophilus* In Marmara Region Of Turkey**
Bozok F., GÜNEY M., YAŞA KAFKAS N. E., TAŞKIN H., BÜYÜKALACA S.
Notulae Botanicae Horti Agrobotanici Cluj-Napoca, vol.43, no.1, pp.192-195, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **Extraction and Identification of Volatile Compounds in *Rosa laxa* Retz var *harputense* T. Baytop Kışmırı rose**
ALP Ş., GÜNEY M., YAŞA ÖZTÜRK G., ERCİŞLİ S.
ERCİŞ (VAN) İLÇESİ İÇME SULARININ SU KALİTESİ ÖZELLİKLERİ, vol.32, no.4, pp.734-739, 2022 (Scopus)
- II. **The fatty acid composition of *Nigella sativa* from Turkey**
GÜNEY M., TANUR ERKOYUNCU M., ERGÜN Z.
International Journal of Agriculture Forestry and Life Sciences, 2022 (Peer-Reviewed Journal)
- III. **The effect of different climatic zones on fatty acid profile of *Ricinus communis* seed oil**
ERGÜN Z., GÜNEY M.
International Journal of Agriculture, Environment and Food Sciences, vol.6, pp.263-270, 2022 (Peer-Reviewed Journal)
- IV. **Pıtrak (*Xanthium strumarium* L.) Meyve Olgunluk Seviyesinin Meyve Yağ Asitlerinin Üzerinde Etkisinin Belirlenmesi**
GÜNEY M., ERGÜN Z.
Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), vol.5, pp.998-1007, 2022 (Peer-Reviewed Journal)
- V. **Characterization of aroma compounds of Daffodil (*Narcissus tazetta* L.) ecotypes from Turkey**
GÜNEY M., ALP Ş., KAFKAS N. E.
International Journal of Agriculture Forestry and Life Sciences, 2021 (Peer-Reviewed Journal)
- VI. **The Effect of Storage Temperature on the Composition of Fatty Acids in Crimson Sweet (*Citrullus lanatus* var. *lanatus*) Watermelon Cultivar Seeds**
GÜNEY M., ERGÜN Z.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, pp.839-845, 2021 (Peer-Reviewed Journal)
- VII. **A comparative analysis of oil content and fatty acid in different varieties of *Arachis hypogaea* L. from Turkey**
ERGÜN Z., GÜNEY M.
International Journal of Agriculture Forestry and Life Sciences, 2020 (Peer-Reviewed Journal)
- VIII. **Fruit quality characteristics of organically grown strawberries**
TÜREMİŞ N. F., YAŞA KAFKAS N. E., GÜNEY M., Birgili B., BURGUT A., SAYĞI H., KAFKAS S.
Acta Horticulturae, vol.1164, pp.519-525, 2017 (Scopus)
- IX. **'Hicaznar' Çeşidinde Farklı Uygulamaların Soğukta Depolama Süresince Fitokimyasal ve Uçucu Aroma Bileşimine Etkileri**
ÖZ A. T., KAFKAS N. E., GÜNEY M., Şahin T.
TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, vol.3, 2015 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **KİRAZIN ENDÜSTRİYEL KULLANIMI**
ERGÜN Z., GÜNEY M.
in: KİRAZ, Hakan KELES, Murat GÜNEY, Editor, İksad Yayınevi, pp.197-208, 2023
- II. **ŞEFTALİNİN ENDÜSTRİYEL KULLANIMI**
ERGÜN Z., GÜNEY M.
in: ŞEFTALİ YETİŞTİRİCİLİĞİ, HASTALIK VE ZARARLILARI, Ali ENDES , Servet ARAS, Editor, İksad Yayınevi, pp.125-135, 2023
- III. **ŞEFTALİDE SEKONDER METABOLİTLER PROFİLİ**
GÜNEY M., ERGÜN Z.
in: ŞEFTALİ YETİŞTİRİCİLİĞİ, HASTALIK VE ZARARLILARI, Ali ENDES , Servet ARAS, Editor, İksad Yayınevi, pp.241-258, 2023
- IV. **KİRAZDA SEKONDER METABOLİTLERİN PROFİLİ**
GÜNEY M., ERGÜN Z.
in: KİRAZ, Hakan KELES, Murat GÜNEY, Editor, İksad Yayınevi, pp.13-34, 2023

Refereed Congress / Symposium Publications in Proceedings

- I. **EVALUATING DROUGHT-TOLERANT AND MULTIPURPOSE PLANT SPECIES FOR POTENTIAL CULTIVATION IN CENTRAL ANATOLIA, TURKEY**
GÜNEY M., KELES H., AYDÖNER ÇOBAN G.
ABANT 2. Uluslararası Güncel Akademik Çalışmalar Sempozyumu, Bolu, Turkey, 28 - 30 December 2023
- II. **SIGNIFICANCE OF CHROMATOGRAPHIC TECHNIQUES IN MODERN AGRICULTURE**
GÜNEY M., KELES H.
ABANT 2. Uluslararası Güncel Akademik Çalışmalar Sempozyumu, Bolu, Turkey, 28 - 30 December 2023
- III. **ABİYOTİK STRESİN AZALTILMASINDA SELENYUM VE SILİSYUM UYGULAMALARININ ETKİSİ**
AYDÖNER ÇOBAN G., GÜNEY M., KELES H.
ABANT 2. Uluslararası Güncel Akademik Çalışmalar Sempozyumu, Bolu, Turkey, 28 - 30 December 2023
- IV. **BIOLOGICALLY ACTIVE SECONDARY METABOLITES AND MEDICINAL USES OF *Stachys schtschegleevii***
GÜNDEŞLİ M. A., GÜNEY M.
The 9th International Mediterranean Symposium on Medicinal and Aromatic Plants, Ankara, Turkey, 3 - 05 May 2023, pp.229-235
- V. **The profile of volatile compounds in *Ocimum basilicum* L. grown in turkey.**
GÜNEY M., ERGÜN Z., KAFKAS N. E., Yeşil B.
International Anatolian Congress on Medicinal and Aromatic Plants Arapgir Municipality, Malatya, Turkey, 17 October 2021
- VI. **Detection of fat and fatty acids of roasted and unroasted cashew (*Anacardium occidentale* L.) kernels**
KAFKAS N. E., OĞUZ İ., GÜNEY M., Reddad C., ÇAM E., KAFKAS S.
Acta Hort. VIII International Symposium on Walnut, Cashew and Pecan., Santiago (Chile), United States Of America, 29 October 2017
- VII. **Biochemical and volatile compositions of some orange varieties.**
ÖZ A. T., KAFKAS N. E., GÜNEY M.
International Advanced Researchers and Engineering Congress, Osmaniye, Turkey, 17 November 2020
- VIII. **Guelderrose (*Viburnum opulus*) and human health: a review.**
GÜNEY M., ATTAR Ş. H.
4. International Mersin Symposium, 24 October 2020
- IX. **The effect of blueberry (*Vaccinium* sp.) on human Health: a review**

GÜNEY M., KAFKAS N. E.

4. International Mediterranean Symposium, 24 October 2020

- X. **Factors affecting the composition of Fatty acids in seeds.**
ERGÜN Z., GÜNEY M.
2nd International 5 Ocak Congress on Applied Sciences, Adana, Turkey, 05 January 2021
- XI. **Preliminary study on broccoli microspore culture.**
ERGÜN Z., GÜNEY M.
2. International Mersin Symposium, 25 May 2019
- XII. **Determination of some fruit quality characteristics of barberry fruits.**
GÜNEY M., MURATHAN Z. T., KAFKAS N. E.
2. International Mersin Symposium, Mersin, 25 May 2019
- XIII. **Pomological Characteristics and Biochemical Composition of Gulder-Rose (*Viburnum opulus* L.) Fruits Growing at Different Locations in Turkey.**
GÜNEY M., MURATHAN Z. T., KAFKAS N. E.
International Mersin Symposium, Mersin, 03 November 2018
- XIV. **Determination of Bioactive Compounds of Guelder-Rose Fruits.**
GÜNEY M., MURATHAN Z. T., KAFKAS N. E.
1. International Mersin Symposium, Mersin, 03 November 2018
- XV. **Expression of Candidate Genes Responsible For Bud Abcission In Pistachio**
KAFKAS N. E., GÜNEY M., TOPÇU H., Khodaijman M., GÜNDEŞLİ M. A., ÇOBAN N., GÜNEY M., PAIZILA A., KARCI H., Kefayati S., et al.
iPlanta Cost Action CA15223, 2nd iPlanta Conference, Poznan, Poland, 16 February 2018
- XVI. **Expression analysis of Candidate Genes Responsible For Bud Abcission in ‘Uzun’ Pistachio variety**
KAFKAS N. E., KAFKAS S., GÜNEY M., GÜNEY M., KARCI H., ÇOBAN N., TOPÇU H., GÜNDEŞLİ M. A., ETİ S., KARABIYIK Ş., et al.
VII International Symposium On Almonds & Pistachios, Adelaide, Australia, 09 November 2017
- XVII. **Bazı Üzümsü Meyvelerde Toplam Fenol ve Antioksidan Aktivite İçeriklerinin Belirlenmesi.**
TÜREMİŞ N. F., KAFKAS N. E., GÜNEY M., ÖZCAN H., BURĞUT A., OLUT B., TÜREMİŞ Ö.
V. Ulusal ÜZÜMSÜ MEYVELER SEMPOZYUMU, Adana, Turkey, 30 September 2016
- XVIII. **Effects of various calcium nitrate application on ester profiles of some strawberry cultivars**
SARIDAŞ M. A., PAYDAŞ KARGI S., GÜNEY M., KURT E., KAFKAS N. E.
VIII International Strawberry Symposium, Acta Horticulturae., 20 April 2017
- XIX. **Aroma profiles of organically grown ‘Benicia’ and ‘Albion’ strawberries**
KAFKAS N. E., TÜREMİŞ N. F., Birgili B., GÜNEY M., BURĞUT A., KAFKAS S.
VIII International Strawberry Symposium, Acta Horticulturae., 20 April 2017
- XX. **Identification and quantification of some fruit quality characteristics of new strawberry cultivars in Turkey**
KAFKAS N. E., Sönmez D., GÜNEY M., SARIDAŞ M. A., PAYDAŞ KARGI S.
VIII International Strawberry Symposium, Acta Horticulturae., 20 April 2017
- XXI. **Comparison of strawberry (*F. xananassa* cv. Florida Fortuna) volatiles using various SPME fibers by GC/MS Techniques.**
KAFKAS N. E., GÜNEY M., Sadigh AZADI S., ÖZCAN H.
III International Symposium on Horticulture in Europe SHE2016, Chania, Greece, 21 October 2016
- XXII. **Comparison of Yield and Some Fruit Quality Characteristics of Some Fresh and Frigo Plants of Strawberry Varieties**
ERÇİK K., KAFKAS N. E., KAYA M., Çelik K., GÜNEY M., SARIDAŞ M. A.
III International Symposium on Horticulture in Europe SHE2016, Chania, Greece, 21 October 2016
- XXIII. **Sugar and total phenol contents of Hass avocado.**
ÖZ A. T., GÜNEY M., ÖZCAN H., KAFKAS N. E.
III International Symposium on Horticulture in Europe SHE, Chania, Greece, 21 October 2016
- XXIV. **Yeni Bazı Çilek Çeşitlerinin Adana Ekolojik Koşullarındaki Performansı**

Sönmez D., GÜNEY M., GÜNEY M., KURT E., SARIDAŞ M. A., KAFKAS N. E., PAYDAŞ KARGI S., Unlü M.

VII. ULUSAL BAHÇE BİTKİLERİ KONGRESİ, Çanakkale, Turkey, 29 August 2015

XXV. Some Physical and Chemical Properties of Two Jujube (*Ziziphus jujuba* Mill.) Genotypes Grown in Western Turkey.

GÖZLEKÇİ S., KAFKAS N. E., GÜNEY M.

IIInd IS on Wild Relatives of Subtropical and Temperate Fruit and Nut Crops, Acta Hort., 25 March 2015

Supported Projects

GÜNEY M., Kılınç F., Project Supported by Higher Education Institutions, Yozgat Yöresindeki Menengiç *Pistacia terebinthus* L Meyvelerinin Pomoloji Özellikleri ve Biyoaktif İçeriğinin Belirlenmesi, 2023 - Continues

Aras S., Güney M., Yaşa Kafkas N. E., TUBITAK Project, Portakal Kabuğu Atığının Kireçli Topraklarda Yetiştirilen Çilek Bitkisine Etkilerinin Belirlenmesi, 2023 - 2024

Güney M., Kafkas S., Koç A., Güney M., Project Supported by Higher Education Institutions, Bazı Ceviz Genotip ve Çeşitlerinin SSR Moleküler Markörleri ile Karakterizasyonu, 2019 - 2022

Güney M., Kafkas S., Zarifikhosroshahi M., Project Supported by Higher Education Institutions, Yozgat Yöresindeki Menengiç (*Pistacia terebinthus* L.) Populasyonlarının Genetik ve Akrabalık Varyasyonunun Belirlenmesi, 2019 - 2021

Güney M., Yaşa Kafkas N. E., Aras S., Güney M., Çömlekçioğlu S., Project Supported by Higher Education Institutions, Bazı Alıç Genotiplerinin In Vitro Koşullarda Kitlesel Üretim Olanaklarının Araştırılması, 2017 - 2019

Yaşa Kafkas N. E., Eti S., Kafkas S., Arpacı S., Gündeşli M. A., Aslan N., Çoban N., TUBITAK Project, Antepfıstığında Çiçek Gözü Dökümlerinin Neden Olduğu Periyodisite Mekanizmasının Histolojik ve Moleküler Olarak Belirlenmesi, 2014 - 2017

Murathan Z. T., Asma B. M., TUBITAK Project, Paviot X Sakıt-1 F1 Melez Bireylerinin S-Allel Uyuşmazlık Allellerinin Ve Açılımlarının PCR İle Belirlenmesi, 2013 - 2014