

## Assoc. Prof. Gülçe İLHAN

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, Turkey 2018 - 2022

Postgraduate, Suleyman Demirel University, Ziraat Fakültesi, Bahçe Bitkileri, Turkey 2013 - 2017

Undergraduate, Suleyman Demirel University, Ziraat Fakültesi, Bahçe Bitkileri, Turkey 2009 - 2013

### Research Areas

Agricultural Sciences, Agriculture, Garden Plants, Fruit Breeding and Breeding, Berries

### Academic Titles / Tasks

Associate Professor, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2024 - Continues

Research Assistant PhD, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2017 - 2022

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

- I. **Leaf Plant Nutrient Content and Sapling Growth of 'Transvalia' Peach Variety Grafted On *Prunus* Rootstocks**  
Ugur R., Gundesli M. A., Ercisli S., Ilhan G., Atli H. S., SÜLÜŞOĞLU DURUL M., Eyduran S. P., Tanrisever S.  
APPLIED FRUIT SCIENCE, 2024 (SCI-Expanded)
- II. **Trapping the genetic variation for yield and yield related attributes in bread wheat under water deficit stress**  
Ahmed H. G. M., Naeem M., Zeng Y., Ullah A., Hussain G. S., Akram M. I., Saeed A., Fatima N., Moez I., Ali H. M., et al.  
EUPHYTICA, vol.220, no.5, 2024 (SCI-Expanded)
- III. **Morphological characterization of 96 wild-grown genotypes of sea buckthorn (*Hippophae rhamnoides* spp.) in eastern Türkiye**  
İlhan G., Ercişli S., Orhan E., Sağbaş H. İ.  
GENETIC RESOURCES AND CROP EVOLUTION AN INTERNATIONAL JOURNAL, vol.71, no.2, pp.773-782, 2024 (SCI-Expanded)
- IV. **Molecular characterisation of cornelian cherry (*Cornus mas* L.) genotypes**  
Skender A., Đurić G., Assouguem A., ERCİŞLİ S., İLHAN G., Lahlali R., Ullah R., Iqbal Z., Bari A.  
Folia Horticulturae, 2024 (SCI-Expanded)

- V. **Evaluation of the total phenolic content, sugar, organic acid, volatile compounds and antioxidant capacities of fig (*Ficus carica* L.) genotypes selected from the Mediterranean region of Türkiye**  
Gundesli M. A., Ugur R., Urun I., ERCİŞLİ S., YAŞA KAFKAS N. E., İLHAN G., Spalevic V., Ullah R., Bari A.  
HORTICULTURAL SCIENCE, no.2, pp.111-126, 2024 (SCI-Expanded)
- VI. **Inter- and Intraspecific Genetic Variation of Native Hawthorn (*Crataegus* spp.) Genotypes Grown in the Çoruh Valley in Türkiye**  
SAĞBAŞ H. İ., ERCİŞLİ S., ÖZKAN G., İLHAN G.  
Erwerbs-Obstbau, vol.65, no.6, pp.2537-2546, 2023 (SCI-Expanded)
- VII. **Analysis of Sensory, Morphological and Biochemical Characteristics in Fruits of Different Red-Fleshed Pitaya (*Hylocereus polyrhizus*) Accessions**  
İLHAN G.  
ERWERBS-OBSTBAU, vol.65, no.5, pp.1803-1810, 2023 (SCI-Expanded)
- VIII. **Sensory Evaluation, Biochemical, Bioactive and Antioxidant Properties in Fruits of Wild Blackthorn (*Prunus spinosa* L.) Genotypes from Northeastern Türkiye**  
İLHAN G.  
HORTICULTURAE, vol.9, no.9, 2023 (SCI-Expanded)
- IX. **Application of Plant-Based Edible Coatings and Extracts Influences the Postharvest Quality and Shelf Life Potential of "Surahi" Guava Fruits**  
Zaidi M., Akbar A., Ali S., Akram H., ERCİŞLİ S., İLHAN G., Sakar E., Marc R. A., Sonmez D. A., Ullah R., et al.  
ACS OMEGA, vol.8, no.22, pp.19523-19531, 2023 (SCI-Expanded)
- X. **Influence of cultivar and fertilization treatment on bioactive content of some apple (*Malus domestica* Borkh.) cultivars**  
Lavic D., Radovic M., Aliman J., Badzak N., Kulina M., Hadziabulic A., İLHAN G., Muresan C., Marc R. A.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.47, no.3, pp.345-356, 2023 (SCI-Expanded)
- XI. **Biological Control of *Penicillium* on Lemon Fruits by Essential Oils of *Satureja* Species**  
Kordali S., Bozhuyuk A. U., Komaki A., İLHAN G., ERCİŞLİ S.  
ERWERBS-OBSTBAU, vol.64, no.4, pp.703-715, 2022 (SCI-Expanded)
- XII. **Improvement of Postharvest Quality and Bioactive Compounds Content of Persimmon Fruits after Hydrocolloid-Based Edible Coating Application**  
Saleem M. S., Ejaz S., Anjum M. A., Ali S., Hussain S., ERCİŞLİ S., İLHAN G., Marc R. A., Skrovankova S., Mlcek J.  
HORTICULTURAE, vol.8, no.11, 2022 (SCI-Expanded)
- XIII. **Comparative genomic analysis and phylogeny of NAC25 gene from cultivated and wild *Coffea* species**  
Huded A. K. C., Jingade P., Mishra M. K., ERCİŞLİ S., İlhan G., Marc R. A., Vodnar D.  
FRONTIERS IN PLANT SCIENCE, vol.13, 2022 (SCI-Expanded)
- XIV. **Diversity of Phytochemical and Antioxidant Characteristics of Black Mulberry (*Morus nigra* L.) Fruits from Turkey**  
Skrovankova S., ERCİŞLİ S., ÖZKAN G., İLHAN G., SAĞBAŞ H. İ., KARATAŞ N., Jurikova T., Mlcek J.  
ANTIOXIDANTS, vol.11, no.7, 2022 (SCI-Expanded)
- XV. **Genetic variation and relationships between Azerbaijani and Turkish olive genetic resources**  
Duran S. T., Aghayeva S., Akparov Z., Mammadov A., Asgarova R., Uslu O. Y., Kirikoglu O., Duran U. T., İPEK M., BARUT E., et al.  
MOLECULAR BIOLOGY REPORTS, vol.49, no.6, pp.5209-5217, 2022 (SCI-Expanded)
- XVI. **MOLECULAR CHARACTERIZATION OF WILD CAROB (*Ceratonia Siliqua* L.) GENOTYPES BY SEQUENCE-RELATED AMPLIFIED POLYMORPHISM (SRAP) TECHNIQUES IN TURKEY MOLEKULARNA KARAKTERIZACIJA GENOTIPOVA DIVLJEG ROGAČA (*Ceratonia Siliqua* L.) SRAP TEHNIKOM U TURSKOJ**  
Keles H., PINAR H., Unlu M., İLHAN G., Bozhuyuk M. R., ERCİŞLİ S.  
Genetika, vol.54, no.2, pp.613-624, 2022 (SCI-Expanded)
- XVII. **Identification and Molecular Analysis of Putative Self-Incompatibility Ribonuclease Alleles in an Extreme Polyploid Species, *Prunus laurocerasus* L.**

- Halasz J., Molnar A. B., İLHAN G., ERCİŞLİ S., Hegedus A.  
FRONTIERS IN PLANT SCIENCE, vol.12, 2021 (SCI-Expanded)
- XVIII. **Morphological And Biochemical Characteristics Of Selected Local Chestnut Genotypes**  
Bozhuyuk R., ERCİŞLİ S., Fidan H., ERSOY N., İlhan G., Sagbas H. İ.  
ERWERBS-OBSTBAU, vol.63, no.3, pp.313-318, 2021 (SCI-Expanded)
- XIX. **Characterization of Oleaster-Leafed Pear (*Pyrus elaeagrifolia* Pall. subsp. *elaeagrifolia*) Fruits in Turkey**  
SAĞBAŞ H. İ., İLHAN G., ERCİŞLİ S., Anjum M. A., Holubec V.  
AGRONOMY-BASEL, vol.11, no.3, 2021 (SCI-Expanded)
- XX. **Main Agro-Morphological and Biochemical Berry Characteristics of Wild-Grown Sea Buckthorn (*Hippophae rhamnoides* L. ssp. *caucasica* Rousi) Genotypes in Turkey**  
İLHAN G., GÜNDOĞDU M., Karlovic K., Zidovec V., Vokurka A., ERCİŞLİ S.  
SUSTAINABILITY, vol.13, no.3, 2021 (SCI-Expanded)
- XXI. **Characterization of European cranberrybush (*Viburnum opulus* L.) genetic resources in Turkey**  
Ozrenk K., İLHAN G., SAĞBAŞ H. İ., KARATAŞ N., ERCİŞLİ S., Colak A. M.  
SCIENTIA HORTICULTURAE, vol.273, 2020 (SCI-Expanded)
- XXII. **Morphological and Biochemical Characterization of Diverse Strawberry Tree (*Arbutus unedo* L.) Genotypes from Northern Turkey**  
SAĞBAŞ H. İ., İLHAN G., Zitouni H., Anjum M. A., Hanine H., Necas T., Ondrasek I., Ercisli S.  
AGRONOMY-BASEL, vol.10, no.10, 2020 (SCI-Expanded)
- XXIII. **Diversity on Fruits of Wild Grown European Cranberrybush from Coruh Valley in Turkey**  
ÖZKAN G., ERCİŞLİ S., SAĞBAŞ H. İ., İLHAN G.  
ERWERBS-OBSTBAU, vol.62, no.3, pp.275-279, 2020 (SCI-Expanded)
- XXIV. **Morphological and biochemical diversity among wild-grown carob trees (*Ceratonia siliqua* L.)**  
KORKMAZ N., Akin M., KOÇ A., EYDURAN S. P., İLHAN G., SAĞBAŞ H. İ., ERCİŞLİ S.  
FOLIA HORTICULTURAE, vol.32, no.1, pp.69-78, 2020 (SCI-Expanded)
- XXV. **Physicochemical characteristics of wild and cultivated apricots (*Prunus armeniaca* L.) from Aras valley in Turkey**  
GEÇER M. K., Kan T., GÜNDOĞDU M., ERCİŞLİ S., İLHAN G., SAĞBAŞ H. İ.  
GENETIC RESOURCES AND CROP EVOLUTION, vol.67, no.4, pp.935-945, 2020 (SCI-Expanded)
- XXVI. **COMPOSITIONAL DIVERSITY IN FRUITS OF ROWANBERRY (*Sorbus aucuparia* L.) GENOTYPES ORIGINATING FROM SEEDS**  
Bozhuyuk M. R., ERCİŞLİ S., Ben Ayed R., Jurikova T., Fidan H., İLHAN G., ÖZKAN G., SAĞBAŞ H. İ.  
GENETIKA-BELGRADE, vol.52, no.1, pp.55-65, 2020 (SCI-Expanded)
- XXVII. **Investigations of Volatile Organic Compounds in Berries of Different *Actinidia kolomikta* (Ruin: & Maxim.) Maxim. Accessions**  
Cesoniene L., Daubaras R., Bogaciiovienė S., Maruska A. S., Stankevicius M., Valatavicius A., Zych M., ERCİŞLİ S., İLHAN G.  
POLISH JOURNAL OF FOOD AND NUTRITION SCIENCES, vol.70, no.3, pp.291-300, 2020 (SCI-Expanded)
- XXVIII. **Some Important Horticultural Properties of Summer Apple Genotypes from Coruh Valley in Turkey**  
Gecer M. K., ÖZKAN G., SAĞBAŞ H. İ., İLHAN G., GÜNDOĞDU M., ERCİŞLİ S.  
INTERNATIONAL JOURNAL OF FRUIT SCIENCE, vol.20, no.3, 2020 (SCI-Expanded)
- XXIX. **Some Morphological and Biochemical Characteristics of Wild Grown Caucasian Whortleberry (*Vaccinium arctostaphylos* L.) Genotypes from Northeastern Turkey**  
ÖZKAN G., ERCİŞLİ S., ZEB A., AĞAR G., SAĞBAŞ H. İ., İLHAN G., GÜNDOĞDU M.  
Notulae Botanicae Horti Agrobotanici Cluj-Napoca, vol.47, pp.378-383, 2019 (SCI-Expanded)
- XXX. **Phytochemical and Antioxidant Diversity in Fruits of Currant (*Ribes* spp.) Cultivars**  
ERSOY N., KÜPE M., GUNDOĞDU M., İLHAN G., ERCİŞLİ S.  
Notulae Botanicae Horti Agrobotanici Cluj-Napoca, vol.46, pp.381-387, 2018 (SCI-Expanded)
- XXXI. **Variation in Organic Acid, Sugar and Phenolic Compounds in Fruits of Historical Apple Cultivars**  
Çelik F., Gundogdu M., ERCİŞLİ S., Kaki B., Berk S., İLHAN G., SAĞBAŞ H. İ.

- NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.46, no.2, pp.622-629, 2018 (SCI-Expanded)
- XXXII. **Phytochemical and Antioxidant Diversity in Fruits of Currant (*Ribes* spp.)**  
ERSOY N., KÜPE M., Gundogdu M., İLHAN G., ERCİŞLİ S.  
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.46, no.2, pp.381-387, 2018 (SCI-Expanded)
- XXXIII. **PHENOTYPIC AND BIOCHEMICAL PARAMETERS WITHIN HISTORICAL ZIVZIK POMEGRANATE CULTIVAR**  
ÖZKAN G., FİDAN H., ERCİŞLİ S., STOYANOVA A., ZEB A., HANİNA H., AĞAR G., SAĞBAŞ H. İ., İLHAN G.  
COMPTES RENDUS DE L ACADEMIE BULGARE DES SCIENCES, vol.71, no.11, pp.1466-1472, 2018 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Sustainable mulberry (*Morus* spp.) production in Turkey**  
İLHAN G., ERCİŞLİ S.  
Acta Horticulturae, vol.1, no.1401, pp.103-106, 2024 (Scopus)
- II. **Wild Sweet Cherry (*Prunus avium* L.) Genotypes: Morphological, Biochemical, and Antioxidant Diversity**  
İLHAN G.  
Research in agricultural sciences, vol.54, no.3, pp.124-129, 2023 (Peer-Reviewed Journal)
- III. **Morphological, biochemical and health promoting properties in seed propagated quince fruits found in Çoruh Valley in Türkiye**  
İLHAN G.  
International Journal of Agriculture, Environment and Food Sciences, vol.7, no.3, pp.718-724, 2023 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **APRICOT: MAIN BREEDING PURPOSES**  
İLHAN G.  
6. INTERNATIONAL FOOD, AGRICULTURE AND VETERINARY SCIENCES CONGRESS, Azerbaijan, 22 - 23 September 2023, pp.134-138
- II. **FATTY ACID DIVERSITY ON A LARGE NUMBER OF SEED PROPAGATED SEA BUCKTHORN (*HIPPOPHAE RHAMNOIDES*) GENOTYPES**  
İLHAN G.  
5. INTERNATIONAL DİCLE SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, Diyarbakır, Turkey, 9 - 10 September 2023, pp.247-254
- III. **Tea cultivation in Turkey: A historical perspective**  
İLHAN G., ERCİŞLİ S.  
4TH INTERNATIONAL CONFERENCE ON FOOD, AGRICULTURE AND ANIMAL SCIENCES, Turkey, 27 - 29 April 2023, pp.69-75
- IV. **APPLE: HISTORY, CULTIVATION, HUMAN HEALTH EFFECT AND FUTURE PERSPECTIVE**  
İLHAN G., ERCİŞLİ S.  
5. INTERNATIONAL FOOD, AGRICULTURE AND VETERINARY SCIENCES CONGRESS, Kars, Turkey, 17 - 19 March 2023, pp.322-327
- V. **A HIDDEN TREASURY OF ANATOLIA: WILD APRICOTS, ZERDALI**  
İLHAN G., ERCİŞLİ S.  
4. International Anatolian Scientific Research Congress, Kars, Turkey, 17 - 20 February 2023, pp.228-232
- VI. **Effect of Cultivars on Productivity and Fruit Quality on Blackberry Grown in Greenhouse Conditions**  
İLHAN G., ERCİŞLİ S.  
4th International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 28 September 2022,

pp.810-814

- VII. **A review: Some biochemical characteristics of sea buckthorn berries**  
İLHAN G., ERCİŞLİ S.  
5th International Congress on Agriculture, Environment and Health, Aydın, Turkey, 17 February 2022, pp.535-547
- VIII. **Hippophae rhamnoides spp.: Multipurpose use for environmental value**  
İlhan G., Ercişli S.  
5th International Congress on Agriculture, Environment and Health, 17 February 2022, pp.548-555
- IX. **VERÇENİK DAĞLARINDA ORKİDE YETİŞEN ALANLARIN BAZI FİZİKSEL VE KİMYASAL TOPRAK ÖZELLİKLERİ**  
İLHAN G., ERCİŞLİ S.  
INTERNATIONAL CONFERENCE on AGRICULTURE, ANIMAL SCIENCES and RURAL DEVELOPMENT, Burdur, Turkey, 19 March 2022, pp.410-416
- X. **ITALY AND THE NETHERLANDS CERTIFICATION SYSTEM IN FRUIT SAPLING GROWING**  
İLHAN G., ERCİŞLİ S.  
INTERNATIONAL CONFERENCE on AGRICULTURE, ANIMAL SCIENCES and RURAL DEVELOPMENT, Burdur, Turkey, 19 March 2022, pp.401-409
- XI. **SUGAR AND ORGANIC ACIDS IN UNGRAFTED LOQUAT (ERIOBOTRYA JAPONICA LINDL.) GENOTYPES IN CORUH VALLEY IN TURKEY**  
İLHAN G., ERCİŞLİ S.  
X. International Symposium on Agricultural Sciences AgroReS 2021, Trebinje, Bosnia And Herzegovina, 27 - 29 May 2021, pp.33-41
- XII. **CHARACTERIZATION OF LOCAL SOUR CHERRIES FROM ARTVIN PROVINCE IN TURKEY**  
Ercişli S., İlhan G., Sağbaş H. İ.  
XI International Scientific Agriculture Symposium "AGROSYM 2020", Bosanska Krupa, Bosnia And Herzegovina, 08 November 2020, pp.415-421
- XIII. **Physicochemical characteristics of local germplasm of fig**  
SAĞBAŞ H. İ., ERCİŞLİ S., İLHAN G.  
IV Balkan Symposium on Fruit Growing, 14 - 18 September 2019
- XIV. **Uzundere Bölgesinde Yabani Yenilebilir Meyve Biyoçeşitliliği: Önemli Bir Kültürel Miras Unsuru**  
Ercişli S., İlhan G., Sağbaş H. İ., Özkan G.  
Tarih Boyunca Anadolu-Gürcistan İlişkileri Uluslararası Sempozyumu, Erzurum, Turkey, 27 - 29 October 2018, pp.1-5
- XV. **Production of grape and blackberry in unheated greenhouse at very high elevation and short vegetation conditions**  
Özkan G., Küpe M., İlhan G., Sağbaş H. İ., Ercişli S.  
GEA (Geo Eco-Eco Agro) International Conference, Podgorica, Serbia And Montenegro, 28 - 31 May 2020, pp.49-53
- XVI. **DIVERSITY ON HORTICULTURAL CHARACTERISTICS OF Sambucus nigra GENOTYPES FROM NORTHEASTERN TURKEY**  
İLHAN G., ERCİŞLİ S.  
GEA (Geo Eco-Eco Agro) International Conference, 28 - 31 May 2020
- XVII. **DIVERSITY ON CAROTENOIDS IN WILD APRICOT FRUITS**  
KARATAŞ N., ERCİŞLİ S., ÖZKAN G., İLHAN G., SAĞBAŞ H. İ.  
GEA (Geo Eco-Eco Agro) International Conference, KARADAĞ, 28 - 29 May 2020, pp.31-38
- XVIII. **PRODUCTION OF GRAPE AND BLACKBERRY IN UNHEATED GREENHOUSE AT HIGH ELEVATION CONDITION**  
ÖZKAN G., KÜPE M., İLHAN G., SAĞBAŞ H. İ., ERCİŞLİ S.  
GEA (Geo Eco-Eco Agro) International Conference, KARADAĞ, 28 - 29 May 2020, pp.49-53
- XIX. **S-genotyping of wild-grown apricots from Gümüşhane province in Turkey**  
BOZHÜYÜK M. R., ERCİŞLİ S., SAĞBAŞ H. İ., İLHAN G., ÖZKAN G.  
XVII International Symposium on Apricot Breeding and Culture, Malatya, Turkey, 6 - 10 July 2019

- XX. **Physicochemical characteristics of wild apricots from Northeastern Turkey**  
İLHAN G., SAĞBAŞ H. İ., ERCİŞLİ S., ÖZKAN G., BOZHÜYÜK M. R.  
XVII International Symposium on Apricot Breeding and Culture, Malatya, Turkey, 6 - 10 July 2019
- XXI. **Molecular Characterization of Local Quinces Grown in Northeastern Turkey**  
Sağbaşı H. İ., İlhan G., Orhan E., Ercişli S.  
III. Uluslararası Bozok Sempozyumu, Yozgat, Turkey, 3 - 05 May 2018, pp.687-694
- XXII. **Genetic Diversity on Wild Sweet Cherries in Coruh Valley**  
İlhan G., Sağbaşı H. İ., Orhan E., Ercişli S.  
III. Uluslararası Bozok Sempozyumu, Yozgat, Turkey, 3 - 05 May 2018, pp.635-639
- XXIII. **Utilization and Usage of Genetic Resources in Pome Fruit Breeding**  
ERCİŞLİ S., İLHAN G., SAĞBAŞ H. İ.  
2nd International Conference on Agriculture, Food, Forest Sciences and Technologies, İzmir,Çeşme, Turkey, 2 - 05 April 2018, pp.411-418
- XXIV. **Bioactive Content of Local Sour Cherry Germplasm**  
ERCİŞLİ S., SAĞBAŞ H. İ., İLHAN G.  
2nd International Conference on Agriculture, Food, Forest Sciences and Technologies, İzmir, Turkey, 2 - 05 April 2018, pp.598-603

## Supported Projects

ERCİŞLİ S., İLHAN G., Project Supported by Higher Education Institutions, ERZURUM KOŞULLARINDA ISITMASIZ CAM SERA ORTAMINDA YETİŞTİRİLEN BÖĞÜRTLEN ÇEŞİTLERİNDE VERİM VE MEYVE KALİTE ÖZELLİKLERİNİN BELİRLENMESİ, 2021 - 2023

ORHAN E., SAĞBAŞ H. İ., İLHAN G., ERCİŞLİ S., Project Supported by Higher Education Institutions, Erzurum Yöresinde Doğal Olarak Yetişen Yalancı İğde Hippophae rhamnoides L Genotiplerinin Seleksiyonu ve Seçilen Tiplerin Morfolojik ve Moleküler Karakterizasyonu, 2019 - 2021

## Scientific Refereeing

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Atatürk University, Turkey, August 2023

## Metrics

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