

## Assoc. Prof. FİRDES ULAŞ



### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Erciyes University, Ziraat Fakültesi, Bahçe Bitkileri, Turkey 2015 - 2019

Postgraduate, Universitaet Hannover, Natural Sciences Faculty, Vegetable Science Production, Germany 2007 - 2009

Undergraduate, Ondokuz Mayıs University, Faculty Of Agriculture, Department Of Horticulture, Turkey 2002 - 2007

### Foreign Languages

German, B2 Upper Intermediate

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Vocational Training, TÜBİTAK-2237 Proje Eğitimi Etkinliklerini Destekleme Programı, Erciyes Üniversitesi, 2016

Vocational Training, 2nd Training School COST Action FA1204 'Vegetable Grafting', Wageningen University, 2016

Vocational Training, Molecular Biology Practical Course, Leibniz Universität Hannover, 2008

Vocational Course, Internship , Dienstleistungszentrum Landlicher Raum (DLR) Rheinpfalz, 2008

Personal Evolution, Intercultural Training, Leibniz Universität Hannover, 2007

Vocational Training, ERASMUS, Universitaet Hannover, 2006

### Dissertations

Doctorate, GÜÇLÜ KÖK YAPISINA SAHİP ANAÇLARIN BİBERDE (*Capsicum annuum* L.) BİTKİ GELİŞİM, TOHUM VERİM VE KALİTESİNE ETKİSİ, Erciyes University, Ziraat Fakültesi, Bahçe Bitkileri, 2019

Postgraduate, INTERACTIONS BETWEEN TOMATO ROOTSTOCK AND SCION VARIETIES REGARDING GROWTH AND DEVELOPMENT UNDER DIFFERENT WATER SUPPLY LEVELS, Universitaet Hannover, Naturwissenschaftliche Fakultät, Institute of Biological Production System, 2009

### Research Areas

Agricultural Sciences, Agriculture, Garden Plants

## Academic Titles / Tasks

Associate Professor, Erciyes University, Ziraat Fakültesi, Bahçe Bitkileri, 2022 - Continues

Assistant Professor, Erciyes University, Ziraat Fakültesi, Bahçe Bitkileri, 2019 - 2022

## Academic and Administrative Experience

Akreditasyon, Sürekli Gelişim ve Yenilenme Kurulu Üyesi, Erciyes University, Ziraat Fakültesi, Bahçe Bitkileri, 2021 - Continues

Birim Kalite Komisyonu Üyesi, Erciyes University, Ziraat Fakültesi, Bahçe Bitkileri, 2021 - Continues

## Courses

Mezuniyet Çalışması, Undergraduate, 2022 - 2023

Bahçe Bitkileri, Undergraduate, 2022 - 2023

Mesleki Uygulama, Undergraduate, 2022 - 2023

Tuzlu toprak koşullarına uyumlu sebze yetiştirme teknikleri, Postgraduate, 2021 - 2022

Bahçe Bitkilerinde Büyüme Düzenleyicilerin Kullanımı, Postgraduate, 2021 - 2022

Bahçe Bitkileri, Undergraduate, 2021 - 2022

Alkali topraklarda meyvesi yenen sebzelerin yetiştiriciliği, Doctorate, 2021 - 2022

Farklı toprak tiplerinde süs bitkisi yetiştirme ve peyzaj tasarımı, Doctorate, 2021 - 2022

Sebzecilikte Çoğaltma Teknikleri, Postgraduate, 2021 - 2022

Mezuniyet Çalışması, Undergraduate, 2021 - 2022

Genel Sebzecilik, Undergraduate, 2021 - 2022

Mesleki Uygulama, Undergraduate, 2021 - 2022

Toprak abiyotik stres koşullarına karşı bitkilerde aşılama metotları, Postgraduate, 2021 - 2022

Biyokimya, Undergraduate, 2021 - 2022

Bitki Biyokimyası, Undergraduate, 2021 - 2022

Bitki Fizyolojisi ve Metabolizması, Undergraduate, 2021 - 2022

Bitki Fizyolojisi, Undergraduate, 2021 - 2022

Bahçe Bitkilerinde Tohum Fizyolojisi, Postgraduate, 2020 - 2021

Bahçe Bitkilerinde İyi Tarım Teknikleri, Undergraduate, 2020 - 2021

Topraksız Kültür, Postgraduate, 2019 - 2020

## Jury Memberships

Post Graduate, Post Graduate, Kırşehir Ahi Evran Üniversitesi, June, 2021

Post Graduate, Post Graduate, Kırşehir Ahi Evran Üniversitesi, December, 2020

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

- Genotypic Variation in Nitrogen Utilization Efficiency of Pepper (*Capsicum Annum L.*) Under Different Nitrogen Supply in Hydroponic Conditions**  
**Genotypische Variation der Stickstoffnutzungseffizienz von *Capsicum annum L.* bei unterschiedlicher Stickstoffversorgung unter hydroponischen Bedingungen**

- Ulaş A., Yetişir H., Ulaş F.  
Gesunde Pflanzen, vol.74, no.3, pp.629-638, 2022 (SCI-Expanded)
- II. **Root-growth Characteristics Contributing to Nitrogen Efficiency of Reciprocally Grafted Potatoes (*Solanum tuberosum* L.) Under Hydroponic Conditions**  
ULAŞ F., YETİŞİR H., ULAŞ A.  
GESUNDE PFLANZEN, vol.73, no.4, pp.417-425, 2021 (SCI-Expanded)
- III. **Enhancing Salt Stress Tolerance of Different Pepper (*Capsicum annuum* L.) Inbred Line Genotypes by Rootstock with Vigorous Root System**  
Abidalrazzaq Musluh Al Rubaye O., Yetişir H., Ulaş F., Ulaş A.  
GESUNDE PFLANZEN, vol.73, no.3, pp.375-389, 2021 (SCI-Expanded)
- IV. **The Efficacy of Grafting on Alkali Stressed Watermelon Cultivars Under Hydroponic Conditions**  
Ulaş F., Aydın A., Ulaş A., Yetişir H.  
GESUNDE PFLANZEN, vol.73, no.3, pp.345-357, 2021 (SCI-Expanded)
- V. **RESPONSE OF DIFFERENT ROOTSTOCKS ON VEGETATIVE GROWTH, FRUIT AND SEED YIELD OF EGGPLANT (*Solanum melongena* L.)**  
Ulaş F.  
Genetika-Belgrade, vol.53, no.2, pp.593-608, 2021 (SCI-Expanded)
- VI. **INVESTIGATION ON MORPHOLOGY AND PHYSIOLOGY OF NITROGEN EFFICIENCY IN DIFFERENT PEPPER (*Capsicum annuum* L.) INBRED LINES PROUČAVANJE MORFOLOGIJE I FIZIOLOGIJE EFIKASNOG ISKORIŠČAVANJA AZOTA KOD PAPRIKE (*Capsicum annuum* L.)**  
ULAŞ F., Erdogdu S., YETİŞİR H., ULAŞ A.  
Genetika, vol.53, no.3, pp.1253-1272, 2021 (SCI-Expanded)
- VII. **Cucurbita Rootstocks Improve Salt Tolerance of Melon Scions by Inducing Physiological, Biochemical and Nutritional Responses**  
Ulaş A., Aydın A., Ulaş F., Yetişir H., Miano T. F.  
HORTICULTURAE, vol.6, no.4, 2020 (SCI-Expanded)
- VIII. **SCREENING OF SOME GOURD SPECIES TO OBTAIN TOLERANT ROOTSTOCKS FOR SUSTAINABLE WATERMELON PRODUCTION UNDER CONTRASTING pH LEVELS**  
Ulaş A., Aydın A., Yetişir H., Ulaş F.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.29, no.3, pp.1411-1421, 2020 (SCI-Expanded)
- IX. **Root-growth Characteristics Contributing to Genotypic Variation in Nitrogen Efficiency of Bottle Gourd and Rootstock Potential for Watermelon**  
Ulaş A., Doganci E., Ulaş F., Yetişir H.  
PLANTS-BASEL, vol.8, no.3, 2019 (SCI-Expanded)
- X. **Rootstock effects on alkali stressed melon plants**  
ULAŞ F., Aydın A., ULAŞ A., YETİŞİR H.  
INDIAN JOURNAL OF HORTICULTURE, vol.76, no.1, pp.112-117, 2019 (SCI-Expanded)
- XI. **LEAF PHYSIOLOGICAL AND ROOT MORPHOLOGICAL PARAMETERS OF GRAFTED TOMATO PLANTS UNDER DROUGHT STRESS CONDITIONS**  
ULAŞ F., Fricke A., Stutzel H.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, pp.3423-3434, 2019 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Influence of different manganese concentrations on eggplant (*Solanum melongena* L.) grown in a hydroponic system**  
Ulaş A., Yücel Y. C., Ulaş F.  
International Journal of Agriculture, Environment and Food Sciences, vol.6, no.2, pp.210-219, 2022 (Peer-Reviewed Journal)
- II. **Leaf and root-growth characteristics contributing to salt tolerance of backcrossed pepper**

**(Capsicum annuum L.) progenies under hydroponic conditions**

Ulaş F.

International Journal of Agriculture, Environment and Food Sciences, vol.6, no.1, pp.1-9, 2022 (Peer-Reviewed Journal)

- III. **The application of fish wastewater to improve the plant growth, development and yield of lettuce (Lactuca sativa L.)**  
Ulaş A., Yücel Y. C., Ulaş F.  
International Journal of Agriculture, Environment and Food Sciences, vol.6, no.1, pp.1-9, 2022 (Peer-Reviewed Journal)
- IV. **Effects of grafting on growth, root morphology and leaf physiology of pepino (Solanum muricatum Ait.) as affected by salt stress under hydroponic conditions**  
Ulaş F.  
International Journal of Agriculture, Environment and Food Sciences, vol.5, no.2, pp.203-212, 2021 (Peer-Reviewed Journal)
- V. **Contribution of roots to growth and physiology of watermelon grafted onto rooted and unrooted seedlings of various bottle gourd rootstocks**  
ULAŞ A., Aydın A., ULAŞ F., YETİŞİR H.  
International Journal of Agriculture, Environment and Food Sciences, vol.3, no.4, pp.211-214, 2019 (Peer-Reviewed Journal)
- VI. **Grafting for Sustainable Growth Performance of Melon (Cucumis melo) Under Salt Stressed Hydroponic Condition**  
ULAŞ F., Aydın A., ULAŞ A., YETİŞİR H.  
EUROPEAN JOURNAL OF SUSTAINABLE DEVELOPMENT, vol.8, no.1, pp.201-210, 2019 (ESCI)
- VII. **Leaf Physiological and Root Morphological Responses of Some Fruit Bearing Vegetables as Affected by Different Rates of Nitrogen**  
Ulaş F., Erdoğan S., Yücel Y. C., Ulaş A., Yetişir H.  
Uluslararası Tarım ve Doğa Bilimleri Dergisi, vol.1, pp.19-24, 2018 (Peer-Reviewed Journal)
- VIII. **Leaf Physiological and Root Morphological Responses of Some Fruit Bearing Vegetables as Affected by Different Rates of Nitrogen**  
Ulaş F., Erdoğan S., Yücel Y. C., Ulaş A., Yetişir H.  
International journal of agriculture and natural science, vol.1, no.1, pp.19-24, 2018 (Peer-Reviewed Journal)
- IX. **6. Sebzelelerde Aşılama: Tarihiçesi, Kullanımı, Dünyadaki ve Türkiye'deki Gelişimi.**  
Ulaş F., Yetişir H.  
Nevşehir Bilim ve Teknoloji Dergisi TARGİD , vol.5, pp.345-354, 2016 (Conference Book)

## **Books & Book Chapters**

I. **1. KIŞLIK SEBZELERDE FİDE ÜRETİMİ**

Hancı F., Ulaş F., Uysal Doğan A.

in: Sebzelelerde Fide Yetiştiriciliği, Yetişir, Halit; Ellialtıoğlu, Şebnem, Editor, Gece Kitaplığı, İstanbul, pp.1-70, 2022

## **Refereed Congress / Symposium Publications in Proceedings**

I. **INTERPRETING ROOT MORPHOLOGICAL TRAITS INVOLVED TO COPE WITH SALT STRESS IN GRAFTED PEPINO**

Ulaş F.

EUROASIA Congress on Scientific Researches and Recent Trends-VIII, Zambales, Philippines, 2 - 04 August 2021, pp.32-33

II. **DOES GRAFTING IMPROVE SALINITY TOLERANCE IN PEPINO (SOLANUM MURICATUM AIT.)?**

Ulaş F.

IV. INTERNATIONAL ICONTECH SYMPOSIUM ON INNOVATIVE SURVEYS IN POSITIVE SCIENCES, Adana, Turkey, 18 - 19 July 2021, pp.59

III. **LEAF PHYSIOLOGICAL RESPONSES OF PEPINO (SOLANUM MURICATUM AIT.) GRAFTED ONTO EGGPLANT GROWN UNDER SALT STRESS**

Ulaş F.

6th INTERNATIONAL MARDIN ARTUKLU SCIENTIFIC RESEARCHES CONFERENCE, Mardin, Turkey, 25 - 27 June 2021, pp.443-444

IV. **GROWTH, DEVELOPMENT AND ELECTROLYTE LEAKAGE OF PEPINO SCION AS AFFECTED BY TOMATO ROOTSTOCK UNDER HIGH SALT STRESS**

Ulaş F.

4TH INTERNATIONAL GAP FOOD, AGRICULTURE AND VETERINARY SCIENCES CONGRESS, Şanlıurfa, Turkey, 26 - 27 June 2021, pp.67

V. **EFFECT OF VERMICOMPOST ON SEEDLING QUALITY AND GROWTH IN WATERMELON (Citrullus lanatus L.)**

AYDIN A., YETİŞİR H., ULAŞ F., ULAŞ A.

4th International Eurasian Agriculture and Natural Sciences Congress, 2020, Konya, Turkey, 30 October 2020, no.1, pp.10-16

VI. **Effects of Rootstocks with Vigorous Root System on Growth and Development of Pepper (Capsicum annum L.) Inbred Lines**

Ulaş F., Yetişir H., Ulaş A.

XXX International Horticultural Congress IHC2018: II International Symposium on Soilless Culture and VIII International Symposium on Seed, Transplant and Stand Establishment of Horticultural Crops, İstanbul, Turkey, 12 - 14 August 2018, vol.1273, pp.471-478

VII. **Growth of pepper inbred lines as affected by rootstocks with vigorous root system under salt stress conditions**

Om Al Rubaye O. A. R., Yetişir H., Ulaş F., Ulaş A.

XXX International Horticultural Congress IHC2018: II International Symposium on Soilless Culture and VIII International Symposium on Seed, Transplant and Stand Establishment of Horticultural Crops, İstanbul, Turkey, 12 - 16 August 2018, pp.479-485

VIII. **Biberde (Capsicum annum L.) Güçlü Kök Yapısına Sahip Anaçlar ile Aşılamanın Bitki Gelişim, Tohum Verim ve Kalitesine Olan Etkileri**

Ulaş F., Yetişir H., Ulaş A.

12. Sebze Tarımı Sempozyumu, Kayseri, Turkey, 11 September 2019, pp.19-20

IX. **Farklı Kabak (Cucurbita Maxima X C. Moschata ve Lagenaria Siceraria) Genotiplerinin Yüksek pH Koşullarına Karşı Toleransı ve Kavuna Anaçlık Potansiyellerinin Belirlenmesi**

Aydın A., Yetişir H., Ulaş F., Ulaş A.

12. Sebze Tarımı Sempozyumu, Kayseri, Turkey, 09 September 2019, pp.61

X. **Contribution of Grafting to Nitrogen Use Efficiency Among Different Solanum Species**

Ulaş A., Yetişir H., Ulaş F., Doğanç E.

Cost Action FA1204, Pula, Croatia, 17 September 2017, pp.20

XI. **PLANT GROWTH RESPONSE OF SALVIA OFFICINALIS L. AND SALVIA TOMENTOSA MILL. TO SALINITY STRESS**

Göçer H., Yetişir H., Yamaç M., Ulaş F., Ulaş A.

International Congress on Medicinal and Aromatic Plants, Konya, Turkey, 10 - 12 May 2017, pp.544

XII. **Hydroponik Koşullarda Domates ve Patlıcan Üzerine Aşılanan Pepinonun Fizyolojik ve Morfolojik Azot Etkinlik Parametrelerinin Belirlenmesi**

ULAŞ A., YETİŞİR H., ULAŞ F., YAMAÇ M.

11. Sebze Tarımı Sempozyumu, Ordu, Turkey, 11 - 13 October 2016, pp.35

XIII. **Effect of grafting on yield and quality between tomato scion and rootstock varieties under drought stress conditions**

Ulaş F., Fricke A., Stützel H.

COST Action FA1204, Antalya, Turkey, 06 March 2015, pp.15

**XIV. Interactions Between Tomato Scion and Rootstock Varieties Regarding Growth and Development under Different Water Supply Levels**

Ulaş F., Fricke A., Stützel H.

Tropentag,, International Research on Food Security, Natural Resource Management and Rural Development, Hamburg, Germany, 28 September 2009, pp.176

**XV. Reciprocal Growth Effects of Tomato Scion and Rootstock Varieties under Different Water Supply Levels**

Ulaş F., Fricke A., Stützel H.

DEUTSCHE GARTENBAUWISSENSCHAFTLICHE GESELLSCHAFT e.V. DGG UND BUNDESVERBAND DER HOCHSCHULABSOLVENTEN/ INGENIEURE GARETENBAU UND LANDSCHAFTSARCHITEKTUR e.V. BHGL, Berlin, Germany, 25 - 28 February 2009, pp.157

## Supported Projects

ULAŞ A., ULAŞ F., DİTTERT K., Project Supported by Higher Education Institutions, Farklı Domates Çeşitlerinde Azot Etkinliği ve Kuraklık Toleransının Aşılama İle Artırılması, 2022 - 2023

Ulaş F., Güneş A., Demirkaya M., Gerçek S., TUBITAK Project, Güçlü Kök Yapısına Sahip Anaçlarla Aşılamanın Farklı Biber (*Capsicum annuum* L.) Genotiplerinde Tohum Verim ve Kalitesine Etkisinin Belirlenmesi, 2021 - 2022

Ulaş F., Yetişir H., Ulaş A., TUBITAK Project, Farklı Biber (*Capsicum Annuum* L.) Saf Hatlarında Azot Etkinliğinin Fizyolojik ve Kök Morfolojik Karakterlere Bağlı Olarak Belirlenmesi, 2019 - 2020

## Scientific Refereeing

GESUNDE PFLANZEN PFLANZENSCHUTZ, VERBRAUCHERSCHUTZ, UMWELTSCHUTZ, SCI Journal, October 2022

Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, May 2022

GESUNDE PFLANZEN, SCI Journal, February 2022

Turkish Journal of Agriculture - Food Science and Technology, Other Journals, January 2022

Project Supported by Higher Education Institutions, BAP Research Project, Erciyes University, Turkey, January 2022

South African Journal Of Botany, Journal Indexed in SCI-E, June 2021

Project Supported by Higher Education Institutions, BAP Research Project, Erciyes University, Turkey, September 2020

AKADEMİK ZİRAAT DERGİSİ, National Scientific Refreed Journal, February 2020

ERCİYES ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, February 2020

## Metrics

Publication: 48

Citation (WoS): 63

Citation (Scopus): 57

H-Index (WoS): 5

H-Index (Scopus): 4

## Scholarships

Deutsche Forschungsgemeinschaft, University, 2007 - 2009

ERASMUS, Official Institutions of Foreign Countries, 2006 - 2006

## **Awards**

Ulař F., Yetiřir H., Ulař A., En İyi Sözlü Sunum Birincilięi, The International Society For Horticultural Science (Ishs), August 2018

Ulař A., Yetiřir H., Ulař F., Yamaç M., En İyi Poster Sunum Birincilięi, 11. Sebze Tarımı Sempozyumu, October 2016