

## Prof. Ertan YILDIRIM

### Personal Information

**Office Phone:** [+90 442 231 2718](tel:+904422312718)

**Email:** ertanyil@atauni.edu.tr

**Other Email:** ertanyildir@gmail.com

**Web:** <https://avesis.atauni.edu.tr/ertanyil>

### International Researcher IDs

ScholarID: 3uCEo\_wAAAAJ

ORCID: 0000-0003-3369-0645

Publons / Web Of Science ResearcherID: J-1812-2017

ScopusID: 8720757200

Yoksis Researcher ID: 9883

### Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Bahçe Bitkileri, Turkey 1997 - 2003

Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Bahçe Bitkileri, Turkey 1994 - 1996

Undergraduate, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, Turkey 1987 - 1991

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Education Management and Planning, Intensive Horticulture and The Environment, CIHEAM, 2006

### Dissertations

Doctorate, Bazı Birlikte Yetiştirme Sistemlerinin Bazı Sebze Türlerinde Bitki Gelişimine Mineral Madde Alınımına, Alan Kullanımına, Ekonomik Dönüşüme ve Verime Etkisi, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Bahçe Bitkileri, 2003

Postgraduate, Isparta ve yöresinde sebze olarak tüketilen yabancı otlar üzerine bir araştırma, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, Bahçe Bitkileri, 1996

### Research Areas

Agricultural Sciences, Agriculture, Garden Plants, Vegetable Breeding and Breeding

### Academic Titles / Tasks

Professor, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2013 - Continues

Associate Professor, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2010 - 2013  
Associate Professor, Ataturk University, İspir Hamza Polat Meslek Yüksekokulu, 2008 - 2010  
Assistant Professor, Ataturk University, İspir Hamza Polat Meslek Yüksekokulu, 2003 - 2007  
Research Assistant, Ataturk University, İspir Hamza Polat Meslek Yüksekokulu, 1998 - 2003

## Academic and Administrative Experience

Komisyon Üyesi, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2022 - Continues  
Başvuru Değerlendirme Komisyonu, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2021 - Continues  
Bölüm Stratejik Plan Komisyonu Üyesi, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2021 - Continues  
Performans Değerlendirme Komisyonu Üyesi, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2021 - Continues  
Bölüm Kalite Komisyonu Başkanı, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2021 - Continues  
Erasmus Coordinator, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2021 - Continues  
Program Accreditation-Self-Assessment Committee Member, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2021 - Continues  
PROJE KOORDİNATÖRÜ, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2021 - Continues  
Mevlana Exchange Program Institutional Coordinator, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2020 - Continues  
Farabi Program Institutional Coordinator, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2020 - Continues  
Birim Kalite Komisyonu Üyesi, Ataturk University, Ziraat Fakültesi, -, 2020 - Continues  
Program değerlendirme modülleri, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2020 - Continues  
ÖZ DEĞERLENDİRME KOMİSYONU, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2020 - Continues  
Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2016 - Continues  
Anabilim Dalı Akademik Kurul Üyesi, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2011 - Continues  
Anabilim Dalı Akademik Kurul Üyesi, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2010 - Continues  
Head of Department, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2020 - 2021  
Erasmus Coordinator, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2015 - 2021  
Farabi Coordinator, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2015 - 2021  
Mevlana Exchange Program Coordinator, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2015 - 2021  
Deputy Head of Department, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2017 - 2018  
Rektörlük Kalite Komisyonu Üyesi, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2016 - 2016  
BAP Subcommittee Member, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2015 - 2016  
Yüksekokul Kurulu Üyesi, Ataturk University, Yabancı Diller Yüksekokulu, 2015 - 2016  
Ataturk Üniversitesi, 2014 - 2016  
Ethics Committee Member, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, 2012 - 2016  
Assistant Director of the Institute, Ataturk University, Fen Bilimleri Enstitüsü, -, 2012 - 2015  
Director of Vocational School, Ataturk University, İspir Hamza Polat Meslek Yüksekokulu, -, 2008 - 2011  
Head of Department, Ataturk University, İspir Hamza Polat Meslek Yüksekokulu, 2008 - 2008

## Courses

Bahçe Bitkileri Islahı, Undergraduate, 2022 - 2023, 2020 - 2021  
Sıcak İklim Sebze Türleri, Undergraduate, 2022 - 2023, 2021 - 2022  
SEBZE ISLAHI, Postgraduate, 2023 - 2024, 2021 - 2022  
Bahçe Ürünlerinin Muhafazası ve Pazara Hazırlanması, Undergraduate, 2023 - 2024  
Kendi Sebzemi Yetiştiriyorum: Hobi Sebze Yetiştiriciliği, Undergraduate, 2023 - 2024, 2022 - 2023  
Sebze Tohum Teknolojileri , Undergraduate, 2023 - 2024, 2022 - 2023  
Sebze Tohum Teknolojileri, Undergraduate, 2023 - 2024

Bahçe Bitkileri Üretim Teknikleri II, Undergraduate, 2021 - 2022  
BAHÇE BİTKİLERİNİN BİYOLOJİK VE FİZYOLOJİK ESASLAR, Postgraduate, 2022 - 2023  
SEBZE FİZYOLOJİSİ, Doctorate, 2022 - 2023  
Bahçe Bitk. Eko. ve Fizy. Esas, Undergraduate, 2021 - 2022  
SEBZE TOHUMCULUĞU VE TOHURLUK KALİTESİ, Doctorate, 2021 - 2022  
Fide Üretim Tekniği, Postgraduate, 2021 - 2022  
Hibrit Sebze Tohum Üretim Tekniği, Undergraduate, 2021 - 2022  
Hibrit Sebze Tohum Üretim, Undergraduate, 2020 - 2021  
ÖRTÜ ALTINDA BİTKİSEL ÜRETİM VE ALTERNATİF UYGULAMALAR, Doctorate, 2020 - 2021  
Fide Üretim Tekniği, Postgraduate, 2020 - 2021  
Bahçe Bitk. Eko. ve Fizy. Esas., Undergraduate, 2020 - 2021, 2019 - 2020  
Sebze Tohumculuğu, Undergraduate, 2021 - 2022  
Bahçe Bitkileri Islahı, Undergraduate, 2020 - 2021  
Bahçe Bitkileri Üretim Teknikleri I, Undergraduate, 2021 - 2022  
Sıcak İklim Sebze Türleri, Undergraduate, 2020 - 2021  
Mezuniyet Çalışması I, Undergraduate, 2021 - 2022  
Bahçe Ürünleri Muhafaza ve Pazara Hazırlama, Undergraduate, 2021 - 2022  
ÖRTÜ ALTINDA BİTKİSEL ÜRETİM VE ALTERNATİF UYGULAMALAR, Doctorate, 2020 - 2021  
Bahçe Bitkileri Üretim Teknikleri II, Undergraduate, 2020 - 2021  
SEBZE FİZYOLOJİSİ, Doctorate, 2021 - 2022  
Mezuniyet Çalışması (Yıllık), Undergraduate, 2021 - 2022, 2020 - 2021  
Sebze ve Meyve Yetiştiriciliği, Undergraduate, 2020 - 2021  
Sıcak İklim Sebze Türleri, Undergraduate, 2019 - 2020  
Bahçe Bitkileri Üretim Teknikleri I, Undergraduate, 2020 - 2021  
Bahçe Bitk. Eko. ve Fizy. Esas., Undergraduate, 2019 - 2020  
SEBZE TOHUM DEPOLAMA İLKELERİ, Postgraduate, 2020 - 2021  
SEBZE TOHUMCULUĞU VE TOHURLUK KALİTESİ, Doctorate, 2019 - 2020  
Genel Sebzeçilik, Undergraduate, 2020 - 2021  
MEZUNİYET ÇALIŞMASI, Undergraduate, 2019 - 2020  
Fide Üretim Tekniği, Postgraduate, 2019 - 2020  
MEZUNİYET ÇALIŞMASI, Undergraduate, 2019 - 2020  
Bahçe Bitkilerinin Ekolojik ve Fizyolojik Esasları, Undergraduate, 2018 - 2019  
Sıcak İklim Sebzeleri, Undergraduate, 2018 - 2019  
Tohum Depolama İlkeleri, Postgraduate, 2018 - 2019  
Genel Sebzeçilik, Undergraduate, 2018 - 2019  
Fide Yetiştirme Tekniği, Postgraduate, 2018 - 2019

## Advising Theses

Yıldırım E., FARKLI SULAMA SEVİYELERİNİN TEREDE (*Lepidium sativum*) BİTKİ GELİŞİMİ, VERİM VE KALİTE ÜZERİNE ETKİSİ, Postgraduate, Y.SELİM(Student), 2022  
Yıldırım E., Dünya ve Türkiye'de organik tarım: Organik sebze yetiştiriciliği, mevcut durumu sorunları ve çözüm önerileri, Postgraduate, İ.HÜNDÜR(Student), 2021  
Yıldırım E., Erzincan Ergan Dağı yöresinde sebze olarak tüketilen yabani otların morfolojik özelliklerinin ve besin değerlerinin belirlenmesi, Postgraduate, H.NAS(Student), 2021  
Yıldırım E., Farklı biyostimulant uygulamalarının kıvrıkcık salatada verim ve kalite üzerine etkileri, Postgraduate, Z.ÖZMEN(Student), 2021  
Yıldırım E., Hümik asit uygulamalarının ağır metal stresi altında yetiştirilen terede bitki gelişimi ile bazı fizyolojik ve biyokimyasal özellikler üzerine etkileri, Postgraduate, Z.ALİM(Student), 2020  
Yıldırım E., Biber fidelerinde kuraklık ve tuz stresinin bitki gelişimi, besin maddesi içeriği, bazı biyokimyasal ve fizyolojik

özellikleri üzerine etkisi , Postgraduate, G.AKGÜL(Student), 2019

Yıldırım E., Ağır metal stresinin roka (Eruca sativa L.)'da bitki gelişimi ve fizyolojisi üzerine etkisi, Postgraduate, T.BALCI(Student), 2019

Yıldırım E., Erzurum fasulye (Phaseolus vulgaris L.) popülasyonunun morfolojik, moleküler karakterizasyonu ve seleksiyonu, Doctorate, R.KUL(Student), 2019

Yıldırım E., Kuraklık stresinin fasulyede bitki gelişimi ile bazı fizyolojik ve biyokimyasal özellikler üzerine etkisi / The effect of drought stress on plant growth, some physiological and biochemical properties of bean, Postgraduate, S.CAŞKA(Student), 2019

Yıldırım E., Ekim öncesi uygulamaların tuzlu koşullarda patıcan (Solanum melongena L.)'da tohum çimlenmesi ve fide gelişimi üzerine etkisi, Postgraduate, F.GÜL(Student), 2019

Yıldırım E., Kurak koşullarda yetiştirilen biber fidelerinde metil amin uygulamalarının bitki gelişimi ile bazı fizyolojik ve biyokimyasal özellikleri üzerine etkisi , Postgraduate, A.GÜR(Student), 2019

Yıldırım E., Tuz stresinin biberde bitki gelişimi, fizyolojik ve biokimyasal özellikler, dna metilasyonu ile tohum çimlenmesi üzerine etkisi , Doctorate, M.KAMAL(Student), 2019

Yıldırım E., Kuraklık stresinin fasulyede bitki gelişimi ile bazı fizyolojik ve biyokimyasal özellikler üzerine etkisi, Postgraduate, S.CAŞKA(Student), 2019

YILDIRIM E., Karnabahar-Marul Birlikte Yetiştiriciliğinde Azotlu Gübre Dozlarının, Bitki Gelişimi, Verim ve Bazı Kalite Özellikleri Üzerine Etkisi, Postgraduate, S.KARATEKE(Student), 2017

YILDIRIM E., Kuraklık ve Tuz Stresinin Lahanada Fide Gelişimi ve Bazı Fizyolojik Özellikler Üzerine Etkisi, Postgraduate, S.YILDIZ(Student), 2017

YILDIRIM E., Bakteri ve Farklı Gübre Kombinasyonlarının Karnabahar (Brassica oleracea L. var. botrytis)'da Bitki Gelişimi, Verim ve Kalite Özelliklerine Etkileri, Doctorate, C.CİVELEK(Student), 2017

YILDIRIM E., Brokkoli Yetiştiriciliğinde Farklı Dikim Zamanlarının Bitki Gelişimi ve Verimi Üzerine Etkileri, Postgraduate, A.GEDİK(Student), 2017

Yıldırım E., Karnabahar-kıvrıkcık salata birlikte yetiştiriciliğinde farklı azot dozlarının bitki gelişimi ve verim üzerine etkisi, Postgraduate, S.KARATEKE(Student), 2017

Yıldırım E., Trabzon ili brokoli yetiştiriciliğinde farklı dikim zamanlarının bitki gelişimi ve verimi üzerine etkileri, Postgraduate, A.GEDİK(Student), 2017

Yıldırım E., Bakteri ve farklı gübre kombinasyonlarının karnabahar (Brassica oleracea L. var. botrytis)'da bitki gelişimi, verim ve kalite özelliklerine etkileri, Doctorate, C.CİVELEK(Student), 2017

YILDIRIM E., Bakteri Uygulamalarının Farklı Sulama Seviyelerinde Yetiştirilen Lahanada Su Kullanım Etkinliği, Bitki Gelişimi, Verim Ve Kalite Üzerine Etkisi, Doctorate, A.SAMANCIOĞLU(Student), 2016

YILDIRIM E., Farklı Seviyede Azot Ve Bakteri Uygulamalarının Lahanada Bitki Gelişimi, Verim Ve Besin Elementi İçeriği Üzerine Etkisi, Postgraduate, T.ÖZLÜ(Student), 2016

YILDIRIM E., Brokkoli - soğan birlikte yetiştiriciliğinde farklı azot dozlarının bitki gelişimi ve verim üzerine etkisi, Postgraduate, B.ÇİL(Student), 2015

YILDIRIM E., Erzurum koşullarında bazı alabaş (Brassica oleracea var. gongyloides) çeşitlerinin yetiştirme periyotlarının belirlenmesi, Postgraduate, V.Aras(Student), 2015

YILDIRIM E., Balık gübresi, mineral gübre ve kombinasyonlarının marulda (Lactuca sativa L.) bitki gelişimi ve besin elementi içeriği üzerine etkisi, Postgraduate, R.KUL(Student), 2014

YILDIRIM E., Farklı azot dozlarında yetiştirilen marulda(Lactuca sativa L.) Paenibacillus polymyxa uygulamalarının verim, bitki gelişimi ve besin elementi içeriğine etkisi, Postgraduate, F.TUNAHAN(Student), 2012

## **Jury Memberships**

Doctorate, Doctorate, Atatürk Üniversitesi, November, 2022

Doctorate, Doctorate, Atatürk Üniversitesi, September, 2022

Doctorate, Doctorate, Atatürk Üniversitesi, September, 2022

Doctorate, Doctorate, Atatürk Üniversitesi, September, 2022

Doctorate, Doctorate, Atatürk Üniversitesi, August, 2022

Post Graduate, Post Graduate, Atatürk Üniversitesi, May, 2022  
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, April, 2022  
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Erciyes Üniversitesi, December, 2021  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Selçuk Üniversitesi, December, 2021  
Post Graduate, Post Graduate, Atatürk Üniversitesi, November, 2021  
Post Graduate, Post Graduate, Atatürk Üniversitesi, November, 2021  
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, November, 2021  
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Atatürk Üniversitesi, September, 2021  
Doctorate, Doctorate, Van Yüzüncü Yıl Üniversitesi, August, 2021  
Post Graduate, Post Graduate, Atatürk Üniversitesi, June, 2021  
Post Graduate, Post Graduate, Atatürk Üniversitesi, January, 2021  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Hatay Mustafa Kemal Üniversitesi, December, 2020  
Post Graduate, Post Graduate, Atatürk Üniversitesi, September, 2020  
Post Graduate, Post Graduate, Atatürk Üniversitesi, September, 2020  
Post Graduate, Post Graduate, Iğdır Üniversitesi, August, 2020  
Post Graduate, Post Graduate, Yeditepe Üniversitesi, August, 2020  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Atatürk Üniversitesi, July, 2020  
Doctorate, Doctorate, Van Yüzüncü Yıl Üniversitesi, May, 2020  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Selçuk Üniversitesi, February, 2020  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Ege Üniversitesi, January, 2020  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Van Yüzüncü Yıl Üniversitesi, January, 2020

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

- I. **Chrysin alleviates salt stress in tomato by physiological, biochemical, and genetic mechanisms**  
Ekinci M., Turan M., Aydin M., Yuce M., Agar G., Ors S., İlhan E., Ciltas A., Ercisli S., Yildirim E.  
Rhizosphere, vol.32, 2024 (SCI-Expanded)
- II. **The effect of novel biotechnological vermicompost on tea yield, plant nutrient content, antioxidants, amino acids, and organic acids as an alternative to chemical fertilizers for sustainability**  
KOCAMAN A., Inci Y., Kitir N., TURAN M., Argin S., YILDIRIM E., Giray G., ERSOY N., GÜNEŞ A., KATIRCIOĞLU H., et al.  
BMC PLANT BIOLOGY, vol.24, no.1, 2024 (SCI-Expanded)
- III. **Change in plant growth and some bioactive components of the tomato under water deficit with exogenous chrysin treatment**  
EKİNCİ M., YILDIRIM E., ÖRS S., TURAN M., ŞİMŞEK D., İNCİ Y.  
Turkish Journal of Agriculture and Forestry, vol.48, no.5, pp.760-774, 2024 (SCI-Expanded)
- IV. **Chitosan mitigated the adverse effect of Cd by regulating antioxidant activities, hormones, and organic acids contents in pepper (Capsicum annum L.)**  
EKİNCİ M., Shams M., Turan M., Ucar S., Yaprak E., ARSLAN YÜKSEL E., AYDIN M., İlhan E., AĞAR G., ERCİŞLİ S., et al.  
Heliyon, vol.10, no.17, 2024 (SCI-Expanded)
- V. **Biochar derived from olive oil pomace mitigates salt stress on seedling growth of forage pea**  
Yildirim E., Güllap M. K., Karabacak T., Severoğlu S., Ekinci M., Turan M., Aktaş H.  
FRONTIERS IN PLANT SCIENCE, vol.15, no.15, pp.1-11, 2024 (SCI-Expanded)
- VI. **Zinc Oxide Nanoparticles: An Influential Element in Alleviating Salt Stress in Quinoa (Chenopodium quinoa L. Cv Atlas)**  
Türkoğlu A., Haliloğlu K., Ekinci M., Turan M., Yildirim E., Öztürk H. İ., Stansluos A. A. L., Nadaroğlu H., Piekutowska M., Niedbała G.  
Agronomy, vol.14, no.7, 2024 (SCI-Expanded)

- VII. **In silico analysis of *Phaseolus vulgaris* L. metalloprotease *FtsH* gene: characterization and expression in drought and salt stress**  
Inal B., Muslu S., Yigider E., Kasapoglu A. G., İlhan E., Ciltas A., Yildirim E., Aydın M.  
GENETIC RESOURCES AND CROP EVOLUTION, 2024 (SCI-Expanded)
- VIII. **Exogenous dopamine mitigates the effects of salinity stress in tomato seedlings by alleviating the oxidative stress and regulating phytohormones**  
Yıldırım E., Ekinci M., Turan M., Yüce M., Örs Cırık S.  
ACTA PHYSIOLOGIAE PLANTARUM, vol.46, no.59, pp.1-10, 2024 (SCI-Expanded)
- IX. **Identification and characterization of *Phaseolus vulgaris* CHS genes in response to salt and drought stress**  
Isiyel M., İLHAN E., Kasapoglu A. G., Muslu S., Oner B. M., Aygoren A. S., YIĞİDER E., AYDIN M., YILDIRIM E.  
GENETIC RESOURCES AND CROP EVOLUTION, 2024 (SCI-Expanded)
- X. **Chrysin mitigates copper stress by regulating antioxidant enzymes activity, plant nutrient and phytohormones content in pepper**  
YÜCE M., EKİNCİ M., Turan M., AĞAR G., AYDIN M., İlhan E., YILDIRIM E.  
SCIENTIA HORTICULTURAE, vol.328, 2024 (SCI-Expanded)
- XI. **Differences in Seed Germination, Plant Growth, and Proline Content of Some Pepper (*Capsicum annum* L.) Genotypes Under Salinity Stress.**  
Yıldırım E., Ekinci M.  
GESUNDE PFLANZEN PFLANZENSCHUTZ, VERBRAUCHERSCHUTZ, UMWELTSCHUTZ, vol.76, pp.309-316, 2024 (SCI-Expanded)
- XII. **N-acetyl-cysteine mitigates arsenic stress in lettuce: Molecular, biochemical, and physiological perspective**  
Yüce M., Yıldırım E., Ekinci M., Turan M., İlhan E., Aydın M., Ağar G., Uçar S.  
PLANT PHYSIOLOGY AND BIOCHEMISTRY, vol.207, no.108390, pp.1-11, 2024 (SCI-Expanded)
- XIII. **Predicting the role of  $\beta$ -GAL genes in bean under abiotic stress and genome-wide characterization of  $\beta$ -GAL gene family members**  
Buttanri A., Kasapoğlu A. G., Öner B. M., Aygören A. S., Muslu S., İlhan E., YILDIRIM E., AYDIN M.  
Protoplasma, 2024 (SCI-Expanded)
- XIV. **Biochar derived from hazelnut shells mitigates the impact of drought stress on soybean seedlings**  
Güllap M. K., Severoğlu S., Karabacak T., Yazıcı A., Ekinci M., Turan M., Yıldırım E.  
NEW ZEALAND JOURNAL OF CROP AND HORTICULTURAL SCIENCE, vol.52, no.1, pp.19-37, 2024 (SCI-Expanded)
- XV. **Growth, physiological, biochemical and DNA methylation responses to cadmium stress of bean (*Phaseolus vulgaris* L) grown under different irrigation levels**  
Yıldırım E., Ağar G., Örs Cırık S., Aslan Yüksel E., Aydın M., Ekinci M., Kul R.  
PLANT GROWTH REGULATION, vol.101, no.2, pp.537-556, 2023 (SCI-Expanded)
- XVI. **Development of plant-friendly vermicompost using novel biotechnological methods**  
Kocaman A., Turan M., Tüfenkçi Ş., KATIRCIOĞLU H., GÜNEŞ A., Kıtır N., Giray G., Gürkan B., ERSOY N., YILDIRIM E.  
Journal of Material Cycles and Waste Management, vol.25, no.5, pp.2925-2936, 2023 (SCI-Expanded)
- XVII. **Drought stress amelioration in tomato (*Solanum lycopersicum* L.) seedlings by biostimulant as regenerative agent**  
Turan M., EKİNCİ M., Argin S., Brinza M., YILDIRIM E.  
FRONTIERS IN PLANT SCIENCE, vol.14, 2023 (SCI-Expanded)
- XVIII. **Development of organic phosphorus vermicompost from raw phosphate rock using microorganisms and enzymes and its effect on tomato yield**  
Yıldırım E., Turan M., Tüfenkçi Ş., Güneş A.  
SCIENTIA HORTICULTURAE AN INTERNATIONAL JOURNAL, vol.321, pp.112323, 2023 (SCI-Expanded)
- XIX. **Use of Arbuscular Mycorrhizal Fungi for Boosting Antioxidant Enzyme Metabolism and Mitigating Saline Stress in Sweet Basil (*Ocimum basilicum* L.)**  
Yılmaz A., Yıldırım E., Yılmaz H., Soydemir H. E., Güler E., Ciftci V., Yaman M.  
SUSTAINABILITY, vol.15, no.7, pp.5982, 2023 (SCI-Expanded)

- XX. **Biosynthesis of capsaicinoids in pungent peppers under salinity stress**  
Shams M., Yuksel E., Ađar G., Ekinci M., Kul R., Turan M., Yildirim E.  
PHYSIOLOGIA PLANTARUM, vol.175, no.2, 2023 (SCI-Expanded)
- XXI. **Improving salt tolerance of bean (*Phaseolus vulgaris* L.) with hydrogen sulfide**  
EKİNCİ M., Turan M., Ors S., DURSUN A., YILDIRIM E.  
PHOTOSYNTHETICA, vol.61, no.1, pp.25-36, 2023 (SCI-Expanded)
- XXII. **Physiological, Morphological and Biochemical Responses of Exogenous Hydrogen Sulfide in Salt-Stressed Tomato Seedlings**  
YILDIRIM E., EKİNCİ M., Turan M., ÖRS CIRIK S., DURSUN A.  
SUSTAINABILITY, vol.15, no.2, 2023 (SCI-Expanded)
- XXIII. **Determination of cadmium and/or drought stress effects on some plant phytohormone contents and hormone gene expressions in bean (*Phaseolus vulgaris* L.)**  
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EKİNCİ M., YILDIRIM E., ÖRS S.  
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International Congress on Agriculture and Forestry Research (AGRIFOR), Marmaris, Turkey, 8 - 10 April 2019, pp.61-68
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DURSUN A., YILDIRIM E., EKİNCİ M., PARLAKOVA KARAGÖZ F., KUL R.  
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- LXIV. **EFFECTS OF RHIZOBACTERIA INOCULATION ON GROWTH AND YIELD COMPONENTS OF PEPPER**  
Dursun A., Yıldırım E., Ekinci M., Parlakova Karagöz F., Kul R.  
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- LXV. **Effects of Bacteria Inoculation on Yield and Yield Components of Pepper (*Capsicum annuum* L.) Grown in Greenhouse Conditions**  
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- LXVII. **Comparative study of capsaicin, ascorbic acid, phenolic and total antioxidant content of pepper varieties at different ripening stage of fruits.**  
YILDIRIM E., SHAMS M., EKİNCİ M., DURSUN A., TURAN M., AĞAR G.  
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- LXVIII. **Effect of Drought and Salt Stress on Plant Growth and Some Physiological Properties of Pepper Seedlings**  
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- LXIX. **Genetic Diversity of Pinto Bean and Fresh Bean (*Phaseolus vulgaris* L.) Genotypes Collected from Erzincan Province in Turkey Using iPBS Markers**  
ÖZTÜRK H. İ., DURSUN A., YILDIRIM E., HALILOĞLU K., ARAŞ H., ÖZKAN G.  
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- LXX. **The Change in Photosynthetic Activity and Leaf Water Content of Squash Plants Treated with Bacteria and Methylamine Under Drought Conditions**  
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- LXXII. **Influence of Saline Water Irrigation on Cilantro (*Coriandrum sativum* L.) Under Drought Stress**  
Örs S., Ekinci M., Yıldırım E., Van Iersel M., Turan M.  
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- LXXIII. **Mineral Content of Cilantro (*Coriandrum sativum* L.) in the Condition of Combined Drought and Salt Stress**  
Örs S., Ekinci M., Yıldırım E., Turan M., Şahin Ü., Yıldız H., Dursun A.  
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**stress**

ÖRS S., EKİNCİ M., YILDIRIM E., TURAN M., ŞAHİN Ü., YILDIZ H.

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YILDIRIM E., DURSUN A., EKİNCİ M., KUL R., PARLAKOVA KARAGÖZ F.  
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- LXXIX. **Effects of Different Microbial Organic Fertilizers on Yield and Quality of Tomato Grown in Greenhouse Condition**  
DURSUN A., YILDIRIM E., EKİNCİ M., PARLAKOVA KARAGÖZ F., KUL R., TURAN M., GÖK Z.  
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YILDIRIM E., DURSUN A., EKİNCİ M., KUL R., PARLAKOVA KARAGÖZ F.  
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- LXXXI. **Effects of Different Microbial Organic Fertilizer and Rate Applications on Quality of Organically Grown Tomato in Greenhouses Condition**  
Dursun A., Yıldırım E., Ekinci M., Parlakova Karagöz F., Kul R., Turan M.  
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- LXXXII. **The wild edible plants consumed as vegetable in Erzurum Province**  
YILDIRIM E., EKİNCİ M., DURSUN A.  
the 4th International Symposium on Traditional Foods from Adriatic to Caucasus, to held in Kyrenia, TRNC (Turkish Republic of Northern Cyprus), 19 - 21 April 2018
- LXXXIII. **One of the most important tastes of the Eastern Anatolia Region: *çaşır* mushroom (*Pleurotus eryngii* var. *ferulae*)**  
EKİNCİ M., YILDIRIM E., DURSUN A.  
the 4th International Symposium on Traditional Foods from Adriatic to Caucasus, to held in Kyrenia, TRNC (Turkish Republic of Northern Cyprus), 19 - 21 April 2018
- LXXXIV. **Çiriş (*Eremurus spectabilis*): one of the wild vegetable species of the Eastern Anatolia Region**  
EKİNCİ M., YILDIRIM E., DURSUN A.  
. the 4th International Symposium on Traditional Foods from Adriatic to Caucasus, to held in Kyrenia, TRNC (Turkish Republic of Northern Cyprus), 19 - 21 April 2018
- LXXXV. **Effect of Liquid Vermicompost on Seedling Growth of Tomato (*Lycopersicon esculentum* L.) and Cucumber (*Cucumis sativus* L.)**  
YILDIRIM E., DURSUN A., EKİNCİ M., KUL R., PARLAKOVA KARAGÖZ F.  
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- XCIII. **Intercropping Broccoli with Onion Improved Total Yield and Land Equivalent Ratio**  
YILDIRIM E., ÇİL B., EKİNCİ M., DURSUN A.  
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- XCV. **Effect of Nitric Oxide Treatments on Plant Growth and Some Physiological and Biochemical Properties in Pepper Grown Under Salinity Stress During Seedling**  
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YILDIRIM E., KARATEKE S., EKİNCİ M., DURSUN A.  
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2nd INTERNATIONAL BALKAN AGRICULTURE CONGRESS, 16 - 18 May 2017, pp.560-563
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YILDIRIM E., EKİNCİ M., DURSUN A.  
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- CIV. **Effects of Nitrogen Fertilization and Plant Growth Promoting Rhizobacteria Applications on Hormone and Organic Acid Contents of Cabbage**  
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ÖRS S., EKİNCİ M., YILDIRIM E., DURSUN A., ŞAHİN Ü.  
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EKİNCİ M., ÖRS S., DURSUN A., YILDIRIM E., TURAN M.  
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- CXXI. PGPR biyoformülasyonlarının marulda bitki gelişim parametreleri enzim düzeyi ve bakteriyel leke hastalığının *Xanthomonas axonopodis* pv *vitians* kontrolü üzerine etkilerinin araştırılması**  
Ekinci M., Kotan R., Parisa M., Yıldırım E., Tozlu E., Esringü A., Nadaroğlu H., Katircioğlu H.  
İç Anadolu Bölgesi, 2. Tarım ve Gıda Kongresi, Nevşehir, Turkey, 28 - 30 April 2015, pp.570
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ESRİNGÜ A., KOTAN R., EKİNCİ M., YILDIRIM E., NADAROĞLU H., KATIRCIOĞLU H.  
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Kotan R., Mohammadi P., Ekinci M., Yıldırım E., Tozlu E., Esringü A., Nadaroğlu H., Dikbaş N.  
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- CXXV. PGBR Biyoformülasyonlarının Marulda Bitki Gelişim Parametreleri Enzim düzeyi ve Bakteriyel Leke Hastalığının *Xanthomonas axonopodis* pv *Vitians* Kontrolü Üzerine Etkilerinin Araştırılması**  
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- Hastalığının Xanthomonas axonopodis pv Vitians Kontrolü Üzerine Etkilerinin Araştırılması**  
EKİNCİ M., KOTAN R., PARİSA M., YILDIRIM E., TOZLU E., ESRİNGÜ A., NADAROĞLU H., KATIRCIOĞLU H.  
İç Anadolu Bölgesi 2. Tarım ve Gıda Kongresi, Nevşehir, Turkey, 28 - 30 April 2015, pp.568
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İç Anadolu Bölgesi 2. Tarım ve Gıda Kongresi, Nevşehir, Turkey, 28 - 30 April 2015, pp.569
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## Activities in Scientific Journals

Plant Abiotic Stress, Editor, 2022 - Continues

HELIYON, Committee Member, 2022 - Continues

Frontiers in Horticulture, Editor, 2022 - Continues

Sustainability, Special Issue Editor, 2020 - Continues

global journal of botanical science, First Editor, 2017 - Continues

ACTA SCIENTIFIC AGRICULTURE EDITORIAL BOARD, Committee Member, 2016 - Continues

Research Journal of Agronomy , Committee Member, 2010 - Continues

Research Journal of Biological Sciences , Committee Member, 2010 - Continues

Research & Reviews in BioSciences, Committee Member, 2008 - Continues

## Memberships / Tasks in Scientific Organizations

Ulusal Bahçe Bitkileri Derneği, Member, 2010 - Continues, Turkey

TOVAG DANIŞMA KURULU ÜYESİ, Member of Advisory Board, 2018 - 2021, Turkey

ISHS, Member, 2017 - 2019, Belgium

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JOURNAL OF ENVIRONMENTAL MANAGEMENT, Journal Indexed in SCI-E, April 2022  
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Other Indexed Journal, April 2022  
INDUSTRIAL CROPS AND PRODUCTS, Journal Indexed in SCI-E, April 2022

SCIENTIFIC REPORTS, Journal Indexed in SCI-E, April 2022  
JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION, Journal Indexed in SCI-E, April 2022  
FRONTIERS IN PLANT SCIENCE, Journal Indexed in SCI-E, April 2022  
INDUSTRIAL CROPS AND PRODUCTS, Journal Indexed in SCI-E, April 2022  
PLANTS, Journal Indexed in SCI-E, April 2022  
İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Other Indexed Journal, April 2022  
TUBITAK Project, 1505 - University-Industry Cooperation Support Program, Ataturk University, Turkey, April 2022  
AGRICULTURAL WATER MANAGEMENT AN INTERNATIONAL JOURNAL, Journal Indexed in SCI-E, March 2022  
GESUNDE PFLANZEN PFLANZENSCHUTZ, VERBRAUCHERSCHUTZ, UMWELTSCHUTZ, Journal Indexed in SCI-E, March 2022  
PLANT PHYSIOLOGY AND BIOCHEMISTRY, Journal Indexed in SCI-E, March 2022  
PLANTS, Journal Indexed in SCI-E, March 2022  
SUSTAINABILITY, Journal Indexed in SCI-E, February 2022  
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, Journal Indexed in SCI-E, February 2022  
JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION, Journal Indexed in SCI-E, February 2022  
PLANTS, Journal Indexed in SCI-E, February 2022  
SCIENTIA HORTICULTURAE AN INTERNATIONAL JOURNAL, Journal Indexed in SCI-E, February 2022  
AGRICULTURAL WATER MANAGEMENT AN INTERNATIONAL JOURNAL, Journal Indexed in SCI-E, February 2022  
Project Supported by Higher Education Institutions, BAP Research Project, Ataturk University, Turkey, February 2022  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Selcuk University, Turkey, February 2022  
Project Supported by Higher Education Institutions, BAP Research Project, Ataturk University, Turkey, February 2022  
PLANT PHYSIOLOGY AND BIOCHEMISTRY, Journal Indexed in SCI-E, January 2022  
Kahramanmaraş Sütcü İmam Üniversitesi Tarım ve Doğa Dergisi, Journal Indexed in ESCI, January 2022  
International Agrophysics, Journal Indexed in SCI-E, January 2022  
van yüzüncü yıl tarım bilimleri dergisi, Other Indexed Journal, January 2022  
TUBITAK Project, 1007 - Public Institutions Research and Development Projects DP, Ataturk University, Turkey, January 2022  
FRONTIERS IN ENVIRONMENTAL SCIENCE, SCI Journal, December 2021  
AGRICULTURAL WATER MANAGEMENT, SCI Journal, December 2021  
SCIENTIA HORTICULTURAE, SCI Journal, December 2021  
SCIENTIA HORTICULTURAE, SCI Journal, December 2021  
SCIENTIA HORTICULTURAE, Journal Indexed in SCI-E, December 2021  
JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION, Journal Indexed in SCI-E, November 2021  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Izmir Institute Of Technology, Turkey, November 2021  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Akdeniz University, Turkey, November 2021  
SCIENTIA HORTICULTURAE, SCI Journal, October 2021  
SCIENTIA HORTICULTURAE, SCI Journal, October 2021  
İĞDIR ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, October 2021  
HORTSCIENCE, SCI Journal, October 2021  
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, SCI Journal, September 2021  
Project Supported by Higher Education Institutions, BAP Research Project, Van Yüzüncü Yil University, Turkey, September 2021  
EU Supported Other Project, the Central Finance and Contracting Agency (CFCA), Lithuania, September 2021  
TURKISH JOURNAL OF BOTANY, SCI Journal, August 2021  
INDUSTRIAL CROPS AND PRODUCTS, Journal Indexed in SCI-E, August 2021  
RHIZOSPHERE, SCI Journal, August 2021  
Türk Tarım ve Doğa Bilimleri Dergisi, National Scientific Refreed Journal, July 2021  
TUBITAK Project, 1007 - Public Institutions Research and Development Projects DP, TAGEM, Turkey, July 2021

Project Supported by Higher Education Institutions, BAP Research Project, Van Yüzüncü Yil University, Turkey, July 2021  
KSÜ TARIM VE DOĞA DERGİSİ , Journal Indexed in ESCI, June 2021  
SCIENTIFIC REPORTS, SCI Journal, June 2021  
Türk Tarım ve Doğa Bilimleri Dergisi, National Scientific Refreed Journal, June 2021  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, June 2021  
JOURNAL OF PLANT NUTRITION, SCI Journal, May 2021  
JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION, SCI Journal, May 2021  
BAHÇE, Other Indexed Journal, May 2021  
SOUTH AFRICAN JOURNAL OF BOTANY, SCI Journal, May 2021  
HORTSCIENCE, SCI Journal, May 2021  
Yuzuncu Yil University Journal of Agricultural Sciences, Other Indexed Journal, May 2021  
JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION, SCI Journal, May 2021  
JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION, SCI Journal, May 2021  
JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION, SCI Journal, May 2021  
SCIENTIFIC REPORTS, SCI Journal, May 2021  
JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION, SCI Journal, April 2021  
Harran Tarım ve Gıda Bilimleri Dergisi, Other Indexed Journal, April 2021  
Türk Tarım ve doğa Bilimleri , Other Indexed Journal, April 2021  
KSÜ TARIM VE DOĞA DERGİSİ , Journal Indexed in ESCI, March 2021  
SCIENTIA HORTICULTURAE, SCI Journal, March 2021  
JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION, SCI Journal, March 2021  
PHYTON-ANNALES REI BOTANICAE, SCI Journal, March 2021  
Project Supported by Higher Education Institutions, BAP Research Project, Erciyes University, Turkey, March 2021  
ACTA PHYSIOLOGIAE PLANTARUM, SCI Journal, February 2021  
Alatarım, Other Indexed Journal, February 2021  
TUBITAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), Tübitak, Turkey, February 2021  
JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION, SCI Journal, January 2021  
TUBITAK Project, 1007 - Public Institutions Research and Development Projects DP, TAGEM, Turkey, January 2021  
JOURNAL OF PLANT NUTRITION, SCI Journal, December 2020  
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, SCI Journal, December 2020  
TARIM BİLİMLERİ DERGİSİ-JOURNAL OF AGRICULTURAL SCIENCES, SCI Journal, November 2020  
AGRICULTURAL WATER MANAGEMENT, SCI Journal, November 2020  
JOURNAL OF PLANT NUTRITION, SCI Journal, November 2020  
Journal of the Institute of Science and Technology, Other Indexed Journal, November 2020  
Turkish Journal of Agricultural and Natural Sciences, Other Indexed Journal, November 2020  
BMC PLANT BIOLOGY, SCI Journal, November 2020  
Türk Tarım - Gıda Bilim ve Teknoloji Dergisi, Other Indexed Journal, November 2020  
BMC BIOTECHNOLOGY, SCI Journal, November 2020  
Yuzuncu Yil University Journal of Agricultural Sciences, Other Indexed Journal, October 2020  
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, SCI Journal, September 2020  
SN APPLIED SCIENCES, SCI Journal, August 2020  
Alinteri Journal of Agriculture Science, Journal Indexed in ESCI, August 2020  
SCIENTIFIC REPORTS, SCI Journal, August 2020  
ACTA SCIENTIARUM POLONORUM-HORTORUM CULTUS, SCI Journal, August 2020  
JOURNAL OF PLANT NUTRITION, SCI Journal, July 2020  
SCIENTIA HORTICULTURAE, SCI Journal, July 2020  
PHOTOSYNTHECA, SCI Journal, July 2020  
TUBITAK Project, 1007 - Public Institutions Research and Development Projects DP, Pamukkale University, Turkey, July 2020  
Frontiers In Sustainable Food Systems, Journal Indexed in ESCI, June 2020

SOUTH AFRICAN JOURNAL OF BOTANY, SCI Journal, May 2020

JOURNAL OF PLANT GROWTH REGULATION, SCI Journal, May 2020

JOURNAL OF PLANT NUTRITION, SCI Journal, May 2020

JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, SCI Journal, May 2020

TUBITAK Project, 1007 - Public Institutions Research and Development Projects DP, Pamukkale University, Turkey, February 2020

Completed Research Project, TÜBİTAK, TÜBİTAK, Turkey, February 2020

## Scientific Consultations

Agriverts, Project Consultancy, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, Turkey, 2022 - Continues

FİDE DEPOSU, Scientific Consultancy, Ataturk University, Ziraat Fakültesi, Bahçe Bitkileri, Turkey, 2020 - Continues

## Tasks In Event Organizations

Yıldırım E., TURKEY 7TH SEED CONGRESS with International Participation, Scientific Congress, Iğdır, Turkey, Kasım 2021

Yıldırım E., KARAKAYA S., BULAK KORKMAZ Y., 3 rd International Symposium on Biodiversity Research, Scientific Congress, Erzurum, Turkey, Ekim 2021

Yıldırım E., 3rd International Conference on Food, Agriculture and Animal Scienc, Scientific Congress, Erzurum, Turkey, Ekim 2021

## Metrics

Publication: 351

Citation (WoS): 2531

Citation (Scopus): 3060

H-Index (WoS): 28

H-Index (Scopus): 31

## Congress and Symposium Activities

ICADET'22, Attendee, Bayburt, Turkey, 2022

Proceedings of the International Conference on Agriculture, Attendee, Kalutara, Sri Lanka, 2022

The 9th International Conference on Agriculture 2022 , Attendee, Kalutara, Sri Lanka, 2022

AGRO INTERNATIONAL CONFERENCE ON AGRICULTURE , Attendee, Baku, Azerbaijan, 2022

AGRO INTERNATIONAL CONFERENCE ON AGRICULTURE , Attendee, Baku, Azerbaijan, 2022

5. International Conference on Life and Engineering Sciences, Attendee, Antalya, Turkey, 2022

International Conference on Global Practice of Multidisciplinary Scientific Studies. , Attendee, Gazimagusa, Cyprus (Kkct), 2022

International Conference on Global Practice of Multidisciplinary Scientific Studies, Attendee, Gazimagusa, Cyprus (Kkct), 2022

TURKEY 7TH SEED CONGRESS with International Participation, Session Moderator, Iğdır, Turkey, 2022

3 rd International Symposium on Biodiversity Research, Session Moderator, Erzurum, Turkey, 2022

3RD INTERNATIONAL CONFERENCE ON FOOD, AGRICULTURE AND ANIMAL SCIENCES, Session Moderator, Erzurum, Turkey, 2021

2 nd Edition of Global Agriculture Conference, Attendee, New Delhi, India, 2021

IV. ULUSLARARASI AVRASYA TARIM ve DOĞA BİLİMLERİ KONGRESİ, Session Moderator, Konya, Turkey, 2020

## **Awards**

Yıldırım E., YAYIN TEŞVİK, Tüb, August 2021

Yıldırım E., YAYIN TEŞVİK, Tüb, September 2020

## **Representation and Promotion Activities**

Institutional Promotion, ATATÜRK ÜNİVERSİTESİ, Turkey, Erzurum, 2022 - 2023

Institutional Promotion, MİLLİ EĞİTİM OKULLARI, Turkey, Erzurum, 2022 - 2022

Institutional Representation, İSPİR PAZARYOLU GRUBU, Turkey, Erzurum, 2021 - 2021

Institutional Representation, İSPİR PAZARYOLU GRUBU, Turkey, Erzurum, 2021 - 2021

## **Non Academic Experience**

TUBITAK, TÜBİTAK, TOVAG

Macaristan, Kaposvar Üniversitesi

İtalya Padova Üniversitesi

CORNELL UNIVERSITY