

Asst. Prof. İHSAN SERKAN VAROL

Personal Information

Office Phone: [+90 352 207 6666](tel:+903522076666) Extension: 38533

Email: svarol@erciyes.edu.tr

Other Email: ihsanserkanvarol@gmail.com

Web: <https://avesis.erciyes.edu.tr/svarol/>

Address: Erciyes Üniversitesi, Ziraat Fakültesi, Melikgazi, KAYSERİ

International Researcher IDs

ScholarID: zDDmuWUAAAAJ

ORCID: 0000-0001-8474-4514

Publons / Web Of Science ResearcherID: AAC-9770-2019

ScopusID: 57197771950

Yoksis Researcher ID: 257777

Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, --, Turkey 2018 - 2022

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Biyosistem Mühendisliği, Turkey 2015 - 2018

Undergraduate, Ege University, Faculty Of Agriculture, Tarımsal Yapılar Ve Sulama Bölümü, Turkey 2009 - 2015

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Other, İHA - 1 - Sportif Pilotluk Sertifikası, Sivil Havacılık Genel Müdürlüğü, 2020

Project Management, Tübitak 2237 B Proje Yazma Eğitimi, Erciyes Üniversitesi, 2020

Dissertations

Doctorate, Su Stresi Altında Farklı Yonca Çeşitlerinin Duyarlılığı, Ot Verim ve Kalitesi, Erciyes University, Fen Bilimleri Enstitüsü, --, 2022

Postgraduate, Nohut Bitkisinde Farklı Gelişim Dönemlerinde Uygulanan Sulamaların Bitki Gelişimi, Verim ve Verim Parametreleri Üzerine Etkisi, Erciyes University, Fen Bilimleri Enstitüsü, --, 2018

Research Areas

Agricultural Sciences, Agriculture, Farm Structures and Irrigation, Irrigation, Water Resources Development

Academic Titles / Tasks

Assistant Professor, Erciyes University, Ziraat Fakültesi, Biyosistem Mühendisliği, 2024 - Continues
Research Assistant PhD, Erciyes University, Ziraat Fakültesi, Biyosistem Mühendisliği, 2022 - 2024
Research Assistant, Erciyes University, Ziraat Fakültesi, Biyosistem Mühendisliği, 2016 - 2022

Academic and Administrative Experience

Rectorate Commissioner, Erciyes University, Ziraat Fakültesi, Biyosistem Mühendisliği, 2024 - Continues
Birim Kalite Komisyonu Üyesi, Erciyes University, Ziraat Fakültesi, Biyosistem Mühendisliği, 2021 - Continues
Birim Stratejik Plan Komisyonu Üyesi, Erciyes University, Ziraat Fakültesi, Biyosistem Mühendisliği, 2021 - Continues
Staj Koordinatörü, Erciyes University, Ziraat Fakültesi, Biyosistem Mühendisliği, 2017 - Continues

Courses

Tarımsal Yapılar ve Sulama, Undergraduate, 2021 - 2022
Bitirme Çalışması, Undergraduate, 2022 - 2023
Farm Structures and Irrigation, Undergraduate, 2022 - 2023
Ölçme Bilgisi, Undergraduate, 2021 - 2022
Mesleki Uygulama, Undergraduate, 2021 - 2022
Tarımsal Yapılar ve Sulama, Undergraduate, 2022 - 2023
Ölçme Bilgisi, Undergraduate, 2021 - 2022
Bitirme Çalışması, Undergraduate, 2021 - 2022

Jury Memberships

Post Graduate, Post Graduate, Erciyes Üniversitesi, July, 2024
Doctoral Examination, Doctoral Examination, Erciyes Üniversitesi, May, 2024
Post Graduate, Post Graduate, Erciyes Üniversitesi, March, 2024

Taught Courses And Trainings

Varol İ. S., Etkin ve Verimli Sulama Sistemleri, 2022 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Potential use of crop water stress index (CWSI) and spectral vegetation indices for black cumin under deficit irrigation**
İRİK H. A., Kaymaz E., Saban Polu P., BEYZİ E., VAROL İ. S., ÜNLÜKARA A., KIRNAK H.
ENVIRONMENTAL SCIENCES EUROPE, vol.36, no.1, 2024 (SCI-Expanded)
- II. **Water productivity, yield response factors, yield and quality of alfalfa cultivars in semi-arid climate conditions**
Varol İ. S., Ünlükara A., Kaplan M.
ENVIRONMENTAL AND EXPERIMENTAL BOTANY, vol.224, 2024 (SCI-Expanded)
- III. **Herbage yield and biochemical characterization of fenugreek (*Trigonella foenum-graecum* L.) under different irrigation levels**
KAPLAN M., Kaymaz E., VAROL İ. S., Ciftci B., GÖKALP Z.
INDUSTRIAL CROPS AND PRODUCTS, vol.210, 2024 (SCI-Expanded)
- IV. **Effects of Irrigation Levels on Biochemical Traits of Popcorn Kernels**

Kaplan M., Taş İ., Ciftci B., Varol İ. S., Akçura S.

Gesunde Pflanzen, vol.75, no.4, pp.1099-1106, 2023 (SCI-Expanded)

- V. **Effects of Supplementary Drip Irrigations Applied in Different Growth Stages on Yield and Yield Components of Chickpea Plants Grown Under Semiarid Climate Conditions**
VAROL İ. S., KIRNAK H., İRİK H. A., ÖZAKTAN H.
GESUNDE PFLANZEN, vol.75, no.4, pp.1307-1314, 2023 (SCI-Expanded)
- VI. **Evaluation of Image Processing Technique on Quality Properties of Chickpea Seeds (*Cicer arietinum* L.) Using Machine Learning Algorithms**
VAROL İ. S., ÇETİN N., KIRNAK H.
Tarım Bilimleri Dergisi, vol.29, no.2, pp.427-442, 2023 (SCI-Expanded)
- VII. **Effects of Various Fertilizers and Different Nitrogen Doses on Pumpkin Seed and Plant Water Consumption**
Ünlükara A., Varol İ. S., Güneş A.
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, vol.53, no.5, pp.590-601, 2022 (SCI-Expanded)
- VIII. **Zeolite and pumice-amended mixtures to improve phosphorus removal efficiency of substrate materials from wastewaters**
Uzun O., Gökalp Z., İrik H. A., Varol İ. S., Kanarya F. O.
JOURNAL OF CLEANER PRODUCTION, vol.317, 2021 (SCI-Expanded)
- IX. **Supplementary irrigations at different physiological growth stages of chickpea (*Cicer arietinum* L.) change grain nutritional composition**
Varol İ. S., Kardeş Y. M., İrik H. A., Kırnak H., Kaplan M.
FOOD CHEMISTRY, vol.303, 2020 (SCI-Expanded)
- X. **Water deficit and nitrogen affects yield and feed value of sorghum sudangrass silage**
Kaplan M., Kara K., Ünlükara A., Kale H., Büyükkılıç Beyzi S., Varol İ. S., Kizilsimsek M., Kamalak A.
Agricultural Water Management, vol.218, pp.30-36, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **EFFECTS OF DIFFERENT IRRIGATION LEVELS AND NITROGEN DOSES ON MINERAL CONTENTS OF MAIZE GRAINS**
Kaplan M., Kale H., Ali İrik H. A., Murat Kardeş Y., Varol İ. S., Ciftci B., Unlukara A.
Current Trends in Natural Sciences, vol.11, no.22, pp.108-116, 2022 (Peer-Reviewed Journal)
- II. **Nohut Bitkisinde Farklı Gelişim Dönemlerinde Uygulanan Ek Sulamanın Ham Protein, Ham Yağ ve Ham Kül İçeriğine Etkisi**
Kırnak H., Varol İ. S., İrik H. A., Özaktan H.
Gaziosmanpaşa Journal of Scientific Research (GBAD), vol.6, pp.168-176, 2017 (Peer-Reviewed Journal)
- III. **Effects of irrigation applied at different growth stages on chickpea yield**
Kırnak H., Varol İ. S., İrik H. A., Özaktan H.
Agronomy Research, vol.15, no.5, pp.1928-1933, 2017 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of irrigation levels on hay yield and quality in grasspea (*Lathyrus sativus* L.)**
Varol İ. S., Kaplan M.
VII. International Conference on Global Practice of Multidisciplinary Scientific Studies, Girne, Cyprus (Kktc), 3 - 07 July 2024, vol.1, pp.23-29
- II. **Changes in phenolic and antioxidant activity in alfalfa cultivars grown under different irrigation levels**
Varol İ. S., Ünlükara A., Kaplan M.

12th INTERNATIONAL CONFERENCE ON AGRICULTURE, ANIMAL SCIENCE & RURAL DEVELOPMENT, Ordu, Turkey, 6 - 08 July 2023, vol.1, no.1, pp.1-5

- III. **Effects of Various Fertilizers and Different Nitrogen Doses on Pumpkin Seed (*Cucurbita pepo* L.)**
Varol I. S., Ünlükara A., Güneş A.
1st International Erciyes Agriculture, Animal and Food Sciences Conference, Kayseri, Turkey, 24 - 26 April 2019, vol.1, no.1, pp.120-125
- IV. **Pumpkin Seed (*Cucurbita pepo* L.) Production under Different Nitrogen Doses**
ÜNLÜKARA A., VAROL I. S., GÜNEŞ A.
4th International Agriculture Congress, Nevşehir, Turkey, 2 - 05 July 2018, vol.1, no.1, pp.100
- V. **Effects of Irrigation Applied at Different Growth Stages on Chickpea Yield**
VAROL İ. S., KIRNAK H., İRİK H. A., ÖZAKTAN H.
2th International Conference on Agriculture, Forest, Food Sciences and Technologies, İzmir, Turkey, 2 - 05 April 2018, pp.482
- VI. **Chickpea yields as effected by irrigations at different growth stages**
Varol İ. S., Kırnak H., İrik H. A., Özaktan H.
International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF-2018 Çeşme-İzmir/ Turkey), , İzmir, Turkey, 2 - 05 April 2018, pp.516
- VII. **Effect of Different Irrigation Levels at Different Growth Stages on Chickpea under Drip irrigation**
VAROL I. S., KIRNAK H., İRİK H. A., ÖZAKTAN H.
2th International Conference on Agriculture, Forest, Food Sciences and Technologies, İzmir, Turkey, 2 - 05 April 2018, pp.481
- VIII. **Effects of Various Fertilizers on Yield and Water Use of Pumpkin Seed**
ÜNLÜKARA A., VAROL I. S., GÜNEŞ A.
II International Conference on Engineering Technology and Innovation, Budapeşte, Hungary, 7 - 11 March 2018, vol.1, pp.100
- IX. **Macro Nutrient Uptake of Tall Fescue (*Festuca arundinacea*) as Effected by Salt Stress**
KAPLAN M., ÜNLÜKARA A., VAROL I. S., Kale H.
International Conference on Engineering Technology and Innovation (ICETI), Budapeşte, Hungary, 7 - 11 March 2018, vol.1, pp.10
- X. **Biogas Production from Livestock Manure of Dairy Facilities**
Gökalp Z., Karaman S., İrik H. A., Varol I. S.
2. ASM INTERNATIONAL WORKSHOP OF COMPOSTING AND BIOGAS TECHNOLOGIES, Antalya, Turkey, 16 - 18 November 2017, pp.19
- XI. **Poultry Litter Composting Practices of Turkish Farmers**
Gökalp Z., Karaman S., İrik H. A., Varol I. S.
2. ASM INTERNATIONAL WORKSHOP OF COMPOSTING AND BIOGAS TECHNOLOGIES, ANTALYA, TURKEY, Antalya, Turkey, 16 - 18 November 2017, pp.18
- XII. **Nohut Bitkisinde Farklı Gelişim Dönemlerinde Uygulanan Ek Sulamanın Ham Protein, Ham yağ ve Ham Kül içeriğine Etkisi**
KIRNAK H., VAROL İ. S., İRİK H. A., ÖZAKTAN H.
2. Ulusal Biyosistem Mühendisliği Kongresi, Tokat, Turkey, 29 June - 01 July 2017, vol.1, pp.55
- XIII. **Toprak Nem İçeriğinin Belirlenmesinde Kullanılan Sensörler**
Kırnak H., Varol I. S., İrik H. A.
2. Ulusal Biyosistem Mühendisliği Kongresi, Tokat, Turkey, 29 June - 01 July 2017, vol.1, no.1, pp.100
- XIV. **Yield and yield parameters of maize plants as influenced by irrigation x nitrogen interactions**
Kaplan M., Kale H., Unlukara A., Varol İ. S., Kökten K.
International Conference on Agriculture, Forest, Food Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May 2017, vol.1, pp.174
- XV. **Yield and Yield Parameters of Maize Plants as Influenced by Irrigation x Nitrogen Interactions**
KAPLAN M., KALE H., ÜNLÜKARA A., VAROL I. S., KÖKTEN K.
International Conference on Agriculture, Forest, Food Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May

2017, vol.1, pp.174

XVI. Vegetative and Generative Characteristics of Chickpea as Effected by Irrigations at Different Growth Stages

VAROL I. S., KIRNAK H., İRİK H. A., ÖZAKTAN H.

International Conference on Agriculture, Forest, Food Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May 2017, vol.1, pp.1

XVII. Performance Evaluation of Irrigation Scheme of Zamantı Irrigation Association in Kayseri

KIRNAK H., KARACA L., İRİK H. A., VAROL I. S.

International Conference on Agriculture, Forest, Food Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May 2017, pp.42

XVIII. OTTOMAN EMPIRE IRRIGATION NETWORKS: KONYA PLAIN IRRIGATION PROJECT EXAMPLE

Gerçek S., İrik H. A., Varol İ. S., Çetin N.

AL-FARABI 1st International Congress on Social Sciences, Gaziantep, Turkey, 11 - 14 May 2017, pp.468

XIX. The Use of Technology in Agricultural Mechanization in Gaziantep Province

Sağlam C., Gerçek S., Çetin N., Varol I. S.

AL-FARABI 1st International Congress on Social Sciences, Gaziantep, Turkey, 11 - 14 May 2017, pp.266-267

XX. Social and Economic Affect of Land Consolidation

Gerçek S., İrik H. A., Varol I. S., Çetin N.

AL-FARABI 1st International Congress on Social Sciences, Gaziantep, Turkey, 11 - 14 May 2017, pp.405

Supported Projects

VAROL İ. S., KAPLAN M., Project Supported by Higher Education Institutions, Su Stresinin Mürdümük (*Lathyrus sativus* L.) Genotiplerinde Su Kullanımı Verim ve Ot Kalitesi Üzerine Etkisi, 2023 - Continues

VAROL İ. S., KAPLAN M., Project Supported by Higher Education Institutions, Farklı Mürdümük Çeşitlerinde Tane Verimi ve Tanenin Yem Kalite Özellikleri İçin Sulama Optimizasyonu, 2023 - 2024

GÖKALP Z., KAPLAN M., VAROL İ. S., ÇİFTÇİ B., KAYMAZ E., Project Supported by Higher Education Institutions, Sulama Seviyelerinin Çemen Bitkisinde Ot Verimi Ot Kalitesine Etkisi, 2023 - 2024

KAPLAN M., VAROL İ. S., TUBITAK Project, Farklı Sulama Seviyeleri Ve Azot Dozlarının Tek Yıllık Çimde (*Lolium Multiflorum* L.) Morfolojik Özellikler, Ot Verimi Ve Ot Kalitesi Üzerine Etkileri, 2023 - 2024

KAPLAN S., VAROL İ. S., Project Supported by Higher Education Institutions, Farklı arazi kullanımlarının toprakların bazı fiziksel ve kimyasal özellikleri üzerine etkisi, 2021 - 2024

Kaplan M., Ünlükara A., Varol İ. S., Project Supported by Higher Education Institutions, Farklı Sulama Seviyelerinin Yonca Çeşitlerinde Ot Verim ve Kalitesi Üzerine Etkisi, 2021 - 2023

İRİK H. A., KIRNAK H., ÜNLÜKARA A., KARAMAN K., VAROL I. S., Project Supported by Higher Education Institutions, Farklı Sulama Suyu Seviyelerinin Çörekotu Bitkisinde Tohum Verimi Verim Özellikleri ve Biyokimyasal Aktiviteye Etkisi ile Arazi Esaslı Uzaktan Algılama Tekniklerinin Sulamada Kullanımı, 2020 - 2023

Kaplan M., Kardeş Y. M., Akçura M., Varol İ. S., Çiftçi B., Project Supported by Higher Education Institutions, Farklı sulama seviyeleri ve azot dozlarının tane sorgumda verim ve besinsel özellikler üzerine etkileri, 2021 - 2022

ÜNLÜKARA A., ULAŞ A., İRİK H. A., KARAMAN K., TUBITAK Project, Sulu ve Kuru Tarım Koşullarında Ekim Nöbeti ve Makinalı Tarıma Uyarlanabilir Sırt-Karık Mikro Havza Su Hasadı Tekniğinin Su Kullanımına ve Üretime Etkileri, 2019 - 2022

GÖKALP Z., KANARYA F. Ö., VAROL I. S., UZUN O., İRİK H. A., Project Supported by Higher Education Institutions, Farklı Filtre Malzemelerinin Atık Sulardan Fosfor Giderim Etkinliğinin Belirlenmesi, 2017 - 2019

KIRNAK H., YILMAZ M., VAROL İ. S., İRİK H. A., ÖZAKTAN H., Project Supported by Higher Education Institutions, Nohut Bitkisinde Farklı Gelişim Dönemlerinde Uygulanan Sulamaların Bitki Gelişimi Verim ve Kalite Üzerine Etkisi, 2016 - 2018

Activities in Scientific Journals

Scientific Refereeing

ENVIRONMENTAL MONITORING AND ASSESSMENT AN INTERNATIONAL JOURNAL DEVOTED TO PROGRESS IN THE USE OF MONITORING DATA IN ASSESSING ENVIRONMENTAL RISKS TO MAN AND THE ENVIRONMENT, SCI Journal, July 2024

SN APPLIED SCIENCES, SCI Journal, May 2024

Project Supported by Higher Education Institutions, BAP Research Project, Erciyes University, Turkey, March 2024

SELCUK JOURNAL OF AGRICULTURE AND FOOD SCIENCES, Other Indexed Journal, December 2022

Türk Tarım ve Doğa Bilimleri Dergisi, Other journals, October 2022

Bursa Uludağ Üniversitesi Ziraat Fakültesi Dergisi, Other Indexed Journal, August 2022

GESUNDE PFLANZEN, SCI Journal, July 2022

AGRAARTEADUS | JOURNAL OF AGRICULTURAL SCIENCE, Other Indexed Journal, May 2021

NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, SCI Journal, February 2021

Tasks In Event Organizations

Varol İ. S., 1st International Erciyes Agriculture, Animal and Food Sciences Conference, Scientific Congress, Kayseri, Turkey, Nisan 2019

Metrics

Publication: 38

Citation (WoS): 90

Citation (Scopus): 107

H-Index (WoS): 4

H-Index (Scopus): 4

Congress and Symposium Activities

VII. International Conference on Global Practice of Multidisciplinary Scientific Studies, Attendee, Girne, Cyprus (Kktc), 2024

15th International Congress on Agricultural Mechanization and Energy in Agriculture, Attendee, Antalya, Turkey, 2023

ISPEC -12th INTERNATIONAL CONFERENCE ON AGRICULTURE, ANIMAL SCIENCE & RURAL DEVELOPMENT, Attendee, Ordu, Turkey, 2023

1st International Erciyes Agriculture, Animal and Food Sciences Conference, Attendee, Kayseri, Turkey, 2019

4th International Agriculture Congress, Attendee, Nevşehir, Turkey, 2018

2th International Conference on Agriculture, Forest, Food Sciences and Technologies, Attendee, İzmir, Turkey, 2018

2th International Conference on Engineering Technology and Innovation, Attendee, Budapest, Hungary, 2018

2. Ulusal Biyosistem Mühendisliği Kongresi, Attendee, Tokat, Turkey, 2017

Al Farabi 1st International Congress on Social Sciences, Attendee, Gaziantep, Turkey, 2017

8th International Conference on Biosystems Engineering, Attendee, Tartu, Estonia, 2017

1st International Conference on Agriculture, Forest, Food Sciences and Technologies, Attendee, Nevşehir, Turkey, 2017

Scholarships

