

Asst. Prof. İHSAN SERKAN VAROL

Personal Information

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International Researcher IDs

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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

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. Herbage yield and biochemical characterization of fenugreek<i> (Trigonella</i><i> foenum-graecum</i> 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)
- III. 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)
- 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. 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.
Tarim Bilimleri Dergisi, vol.29, no.2, pp.427-442, 2023 (SCI-Expanded)
- VI. 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)
- VII. 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)
- VIII. Supplementary irrigations at different physiological growth stages of chickpea (*Cicer arietinum L.*) change grain nutritional composition
Varol I. S., Kardeş Y. M., İrik H. A., Kirnak H., Kaplan M.
FOOD CHEMISTRY, vol.303, 2020 (SCI-Expanded)
- IX. 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 I. 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 DOSSES ON MINERAL CONTENTS OF MAIZE GRAINS
Kaplan M., Kale H., Ali Irik H. A., Murat Kardes 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
Kirnak H., Varol İ. S., İrik H. A., Özaktan H.
Gaziosmanpasa 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
Kirnak H., Varol I. S., İrik H. A., Özaktan H.
Agronomy Research, vol.15, no.5, pp.1928-1933, 2017 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. 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
- II. 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
- III. 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

- IV. **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
- V. **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
- VI. **Chickpea yields as effected by irrigations at different growth stages**
Varol İ. S., Kirnak 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. **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
- VIII. **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
- IX. **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
- X. **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
- XI. **Nohut Bitkisinde Farklı Gelişim Dönemlerinde Uygulanan Ek Sulamanın Ham Protein, Ham yağı 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
- XII. **Toprak Nem İçeriğinin Belirlenmesinde Kullanılan Sensörler**
Kirnak 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
- XIII. **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
- XIV. **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
- XV. **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
- XVI. **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

- XVII. 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
- XVIII. 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
- XIX. 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 - Continues

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

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 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 İ. S., Project Supported by Higher Education Institutions, Farklı Sulama Suyu Seviyelerinin Çörekotu Bitkisinde Tohum Verimi Verim Özellikleri ve Biyokimyasal Aktiviteye Etkisi ile Arazi Esası 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

GÖKALP Z., KANARYA F. Ö., VAROL İ. 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

Erciyes Tarım ve Hayvan Bilimleri Dergisi , Assistant Editor/Section Editor, 2019 - Continues

Scientific Refereeing

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: 37

Citation (WoS): 74

Citation (Scopus): 92

H-Index (WoS): 4

H-Index (Scopus): 4

Congress and Symposium Activities

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

Tübitak 1001 Bilimsel ve Teknolojik Araştırma Projelerini Destekleme Programı Doktora Bursu, TUBITAK, 2020 - 2021