

## Asst. Prof. ÇAYAN ALKAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: HPD-3310-2023

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### Education Information

Doctorate, Tekirdağ Namik Kemal University, Faculty Of Agriculture, Turkey 2016 - 2021

Postgraduate, Bursa Uludağ University, Ziraat Fakültesi, Turkey 2013 - 2016

Undergraduate, Bursa Uludağ University, Ziraat Fakültesi, Turkey 2008 - 2013

### Dissertations

Doctorate, Porsuk çayı havzasında iklim değişikliğinin kuraklığa ve buğday verimine etkisinin belirlenmesi, Tekirdağ Namik Kemal University, Ziraat Fakültesi, Biyosistem Mühendisliği Bölümü, 2021

Postgraduate, Küçük su havzaları hidrolojik modeli WinTR'in Bursa ili bazı sulama gölet havzalarına uygulanabilirliğinin araştırılması, Bursa Uludağ University, Ziraat Fakültesi, 2016

### Research Areas

Agricultural Sciences

### Courses

Mezuniyet çalışması, Undergraduate, 2023 - 2024

Mukavemet, Undergraduate, 2023 - 2024

Sulama Suyu Kalitesi, Undergraduate, 2024 - 2025

Betonarme, Undergraduate, 2024 - 2025

İklim Değişikliği ve Kuraklık, Postgraduate, 2024 - 2025

Zemin Mekaniği, Undergraduate, 2023 - 2024

Hidroloji, Undergraduate, 2024 - 2025

Tarımsal Su Kalitesi Modellemesi, Postgraduate, 2024 - 2025

Arazi toplulaştırma, Undergraduate, 2022 - 2023

Mesleki Uygulama, Undergraduate, 2022 - 2023

Meteoroloji, Undergraduate, 2023 - 2024

Biyosistem Mühendisliğine Giriş, Undergraduate, 2023 - 2024

Sera Yapım Tekniđi, Undergraduate, 2023 - 2024

Toprak Bilgisi, Undergraduate, 2023 - 2024

Tarımsal İnřaat, Undergraduate, 2021 - 2022

## Advising Theses

ALKAN Ç., Tarımsal Su Yönetimi Planlaması: Bilecik İli Örneđi, Postgraduate, M.ÖZTÜRK(Student), 2023

## Articles Published in Other Journals

- I. **Trend Analysis of Some Crop Yields and Agro-Meteorologic Drought in the Trakya Region**  
ALKAN Ç.  
ISPEC journal of agricultural sciences (Online), vol.8, no.4, pp.858-870, 2024 (Peer-Reviewed Journal)
- II. **Investigation of Water Quality of the Karasu River in Bilecik Province in terms of Agricultural Irrigation**  
ALKAN Ç., MERAL R.  
Tekirdađ Ziraat Fakóltesi Dergisi, vol.21, no.4, pp.1001-1016, 2024 (ESCI)
- III. **Trend analysis of agricultural drought and crop yield in Eastern Thrace provinces of Turkey**  
ALKAN Ç.  
JOURNAL OF AGROMETEOROLOGY, vol.26, no.1, pp.128-130, 2024 (Scopus)
- IV. **USAGE OF BILECIK LEFKE STONE AND BENTONITE CLAY FOR PHOSPHORUS REMOVAL IN WATER**  
ÇANGA B., MERAL R., ALKAN Ç.  
ESKİŐEHİR TECHNICAL UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY A- APPLIED SCIENCES AND ENGINEERING, vol.24, no.1, pp.9-16, 2023 (Peer-Reviewed Journal)
- V. **An investigation on the climate change and drought types in the Porsuk Stream Watershed, west of Turkey**  
ALKAN Ç., KONUKCU F.  
Algerian Journal of Engineering and Technology, vol.7, pp.37-46, 2022 (Peer-Reviewed Journal)
- VI. **Taşkın Pik Devisinin Belirlenmesinde WinTR-55 Hidrolojik Modelinin Kullanımı: Kırklareli Vize Deresi ve Samsun Minöz Deresi Havzaları Örneđi**  
ALKAN Ç.  
Dođal Afetler ve Çevre Dergisi, vol.8, no.2, pp.305-316, 2022 (Peer-Reviewed Journal)
- VII. **Determination of the Effect of Climate Change on Wheat Yield in the Porsuk Creek Watershed**  
ALKAN Ç., KONUKCU F.  
ISPEC Journal of Agricultural Sciences, vol.6, no.2, pp.318-330, 2022 (Peer-Reviewed Journal)
- VIII. **Unmanned Aerial Vehicle (UAV) for Monitoring Agricultural Activity**  
ŐENER M., BOYRAZ ERDEM D., ALKAN Ç., ÇELEN İ. H., ERDEM T.  
Journal of Scientific and Engineering Research, vol.5, no.6, pp.137-139, 2018 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Usage of Pervious Concrete for Sustainable Agricultural Management**  
ÇOBAN Ö., ALKAN Ç.  
in: Agricultural Practices And Sustainable Management in Turkey, BELLİTÜRK, Korkmaz; SOLMAZ, Yusuf, Editor, IKSAD, Ankara, pp.327-337, 2022
- II. **Agricultural Water Structures**  
ALKAN Ç., ÇOBAN Ö.  
in: Integrated Alternative Farming Modes, KOKTEN Kagan, OZDEMİR Selim, Editor, IKSAD, Ankara, pp.49-56, 2022

### III. USAGE OF PERVIOUS CONCRETE FOR SUSTAINABLE AGRICULTURAL MANAGEMENT

ÇOBAN Ö., ALKAN Ç.

in: AGRICULTURAL PRACTICES AND SUSTAINABLE MANAGEMENT IN TÜRKİYE, BELLİTÜRK Korkmaz, SOLMAZ Yusuf, Editor, İKSAD, Ankara, pp.327-337, 2022

### IV. AGRICULTURAL WATER STRUCTURES

ALKAN Ç., ÇOBAN Ö.

in: INTEGRATED ALTERNATIVE FARMING MODES, KOKTEN Kagan, OZDEMİR Selim, Editor, İKSAD, Ankara, pp.49-56, 2022

## Refereed Congress / Symposium Publications in Proceedings

- I. **Kütahya-Tavşanlı Adranos Çayı'nda Sulama Suyu Kalitesinin Belirlenmesi**  
DİKMEN R., ALKAN Ç.  
12. Ulusal Hidroloji Kongresi, Samsun, Turkey, 16 October 2024, pp.198-206
- II. **The effect of animal shelters on water quality: Bursa, Bilecik and Eskişehir example**  
ALKAN Ç., MERAL R.  
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Ankara, Turkey, 23 November 2022, pp.1666-1671
- III. **Methane emission from agricultural animal shelters in the Southern Marmara region and estimation of carbon footprint**  
ALKAN Ç., MERAL R.  
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Ankara, Turkey, 23 November 2022, pp.1618-1624
- IV. **Bilecik seralarının mevcut durumunun değerlendirilmesi**  
ALKAN Ç., MERAL R.  
8. Uluslararası Uygulamalı Bilimler Kongresi, Girne, Cyprus (Kktc), 19 November 2022
- V. **Hayvansal üretim barınakları ile iklim değişikliğinin karşılıklı etkileşimi**  
ALKAN Ç., MERAL R.  
8th International Conference on Applied Sciences, Girne, Cyprus (Kktc), 19 November 2022, pp.10-11
- VI. **Sakarya Havzasındaki sediment verimlerinin frekans analizi**  
ALKAN Ç., MERAL R.  
11. Ulusal Hidroloji Kongresi, Gaziantep, Turkey, 13 October 2022
- VII. **WinTR-55 Model Aided Analysis of Creeks and Ponds Basins in Turkey**  
ALKAN Ç.  
1st International Congress on Biosystems Engineering (ICOBEN2019), Hatay, Turkey, 24 September 2019
- VIII. **Some Methods and Technologies Used for Hydrological Studies**  
ALKAN Ç.  
1st International Congress on Biosystems Engineering (ICOBEN2019), Hatay, Turkey, 24 September 2019
- IX. **Trakya Bölgesinde Maksimum Sıcaklıkların Frekans Analizi**  
ALKAN Ç.  
10. Ulusal Hidroloji Kongresi, Muğla, Turkey, 09 October 2019
- X. **M. Turc yönteminin eleştirisi ve alternatif yöntemler**  
ALKAN Ç.  
10. Ulusal Hidroloji Kongresi, Muğla, Turkey, 09 October 2019
- XI. **Unmanned Aerial Vehicle (UAV) for Monitoring Agricultural Activity**  
ŞENER M., BOYRAZ ERDEM D., ALKAN Ç., ÇELEN İ. H., ERDEM T.  
International agricultural Science congress, 9 - 12 May 2018
- XII. **WinTR-55 Modeli ile Mockus yönteminin karşılaştırılması: Ankara Polatlı Kargalı Göleti havzası örneği**  
ALKAN Ç.

IX. Ulusal Hidroloji Kongresi, Diyarbakır, Turkey, 04 October 2017

## **Scientific Refereeing**

ÇOMÜ ZIRAAT FAKÜLTESİ DERGİSİ, National Scientific Refreed Journal, June 2024

Karadeniz Fen Bilimleri Dergisi, National Scientific Refreed Journal, March 2024

Hydrology, Other Indexed Journal, May 2023