

## Lect. PhD CEVHER ÖZDEN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: HSE-4302-2023

Yoksis Researcher ID: 379371

### Education Information

Doctorate, Akdeniz University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 2019 - Continues

Undergraduate, Akdeniz University, Faculty Of Law, Turkey 2013 - 2021

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2014 - 2018

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Tarım Ekonomisi, Turkey 2008 - 2015

Undergraduate, Cukurova University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2010 - 2013

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Tarım Ekonomisi, Turkey 2004 - 2007

Undergraduate, Cukurova University, Ziraat Fakültesi, Tarım Ekonomisi, Turkey 2000 - 2004

### Foreign Languages

German, C1 Advanced

English, C2 Mastery

French, C1 Advanced

Spanish, B2 Upper Intermediate

### Dissertations

Postgraduate, The effects of preprocessing methods on prediction of traffic accident severity, Cukurova University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, 2018

Doctorate, Dünya ve Türkiye baklagil piyasaları ve ihracat rekabeti açısından Türkiye'nin konumu, Cukurova University, Fen Bilimleri Enstitüsü, Tarım Ekonomisi, 2015

Postgraduate, Türkiye ve Avrupa Birliği'nde süt hayvancılığının mevcut durumu ile Avrupa Birliği üyelik sürecinin Polonya hayvancılığına olan etkilerinin incelenmesi, Cukurova University, Fen Bilimleri Enstitüsü, Tarım Ekonomisi, 2007

### Research Areas

Statistics, Farming Economy, Agriculture Management, Agricultural Policy and Publication, Augmented Reality, Information Visualization, Computer Graphics, Virtual Reality, Computer Vision, Natural Language Processing, Evolutionary Computing, Pattern Recognition and Image Processing, Neural Networks

## Academic Titles / Tasks

Lecturer PhD, Cukurova University, Karaisalı Meslek Yüksekokulu, Bilgisayar Teknolojileri, 2024 - Continues  
Lecturer, Mugla Sitki Kocman University, Bodrum Güzel Sanatlar Fakültesi, Dijital Oyun Tasarımı, 2022 - 2024

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

- I. **Wheat Yield Prediction for Turkey Using Statistical Machine Learning and Deep Learning Methods**  
Özden C., Karadoğan N.  
PAKISTAN JOURNAL OF AGRICULTURAL SCIENCES, vol.61, no.1, pp.1-7, 2024 (SCI-Expanded)
- II. **Spectral temporal graph neural network for multivariate agricultural price forecasting**  
Özden C., Bulut M.  
CIENCIA RURAL, vol.54, no.1, 2024 (SCI-Expanded)
- III. **Determination of Non-Digestible Parts in Dairy Cattle Feces Using U-NET and F-CRN Architectures**  
Özden C., Bulut M., Boğa D. Ç., Boga M.  
VETERINARY SCIENCES, vol.10, no.32, pp.1-14, 2023 (SCI-Expanded)
- IV. **A COMPARISON OF CONVOLUTIONAL NETWORKS CAPSULE NETWORK AND TRANSFER LEARNING FOR HEAVY A INFALL NOWCASTING**  
Ozden C.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.31, no.1A, pp.1103-1110, 2022 (SCI-Expanded)
- V. **Apple leaf disease detection and classification based on transfer learning**  
Özden C.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.45, no.6, pp.775-783, 2021 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Determining the Effective Meteorological Parameters on Potato Yield in Niğde Province and Yield Prediction with Machine Learning and Deep Learning Models**  
Uzan E., Özden C.  
Black Sea Journal of Agriculture, vol.7, no.6, pp.1-5, 2024 (Peer-Reviewed Journal)
- II. **Corn Disease Detection Using Transfer Learning**  
ÖZDEN C.  
Black Sea Journal of Engineering and Science, vol.6, no.4, pp.387-393, 2023 (Peer-Reviewed Journal)
- III. **İstatistiksel ve Derin Öğrenme Yöntemlerini Kullanarak Tarımsal Girdi Fiyat Endeksi'nin Tahmin Edilmesi**  
ÖZDEN C.  
TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, vol.11, no.9, pp.1751-1755, 2023 (Peer-Reviewed Journal)
- IV. **Estimating Corn Yield Using Statistical, Machine Learning and Deep Learning Methods**  
özden C.  
Gaziosmanpaşa Üniversitesi Ziraat Fakültesi Dergisi, vol.40, no.2, pp.74-80, 2023 (Peer-Reviewed Journal)
- V. **Comparative Analysis of CNN, LSTM And Random Forest for Multivariate Agricultural Price Forecasting**  
ÖZDEN C.  
Black Sea Journal of Agriculture, vol.6, no.4, pp.422-426, 2023 (Peer-Reviewed Journal)
- VI. **Effects of Climate Change on Animal Husbandry**  
BULUT M., ÖZDEN C.  
Black Sea Journal of Agriculture, vol.6, no.1, pp.87-94, 2023 (Peer-Reviewed Journal)
- VII. **Covid-19 and Food Security: Impact on Wheat**

ÖZDEN C., BULUT M., ŞEN B.

TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, vol.10, no.4, pp.549-554, 2022 (Peer-Reviewed Journal)

**VIII. How Did Canada's Increasing Lentil Production Affect Turkey? Is There A Possible Win-Win Situation for Both Countries?**

ÖZDEN C.

TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, vol.6, no.12, pp.1708-1712, 2018 (Peer-Reviewed Journal)

**IX. Predicting the Severity of Motor Vehicle Accident Injuries in Adana-Turkey Using Machine Learning Methods and Detailed Meteorological Data**

ACI Ç., ÖZDEN C.

International Journal of Intelligent Systems and Applications in Engineering, vol.6, no.1, pp.72-79, 2018 (Peer-Reviewed Journal)

**X. Analysis of injury traffic accidents with machine learning methods: Adana case**

Ozden C., ACI Ç.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.2, pp.266-275, 2018 (ESCI)

**XI. Causes, Effects and Solutions of Banking Crises: The Case of Turkey**

YETİZ F., ÖZDEN C.

Journal of Cukurova University Faculty of Economics and Administrative Sciences, vol.21, no.2, pp.11-27, 2017 (Peer-Reviewed Journal)

**XII. Analysis Of Causal Relationship Among Gdp, Agricultural, Industrial And Services Sector Growth in Turkey**

YETİZ F., ÖZDEN C.

Ömer Halisdemir Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi, vol.10, no.3, pp.75-84, 2017 (Peer-Reviewed Journal)

**XIII. Time Series Analysis of Causal Relationship among Sectoral Labor Productivity in Turkey**

ÖZDEN C., YETİZ F.

TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, vol.5, no.6, pp.586-592, 2017 (Peer-Reviewed Journal)

**XIV. TÜRKİYE VE AVRUPA BİRLİĞİNDE SÜT HAYVANCILIĞININ MEVCUT DURUMU İLE AVRUPA BİRLİĞİ ÜYELİK SÜRECİNİN POLONYA HAYVANCILIĞINA OLAN ETKİLERİNİN İNCELENMESİ**

ÖZDEN C., GÜRGEN Y.

Çukurova Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.17, no.8, pp.68-78, 2008 (Non Peer-Reviewed Journal)

## **Books & Book Chapters**

**I. Tarımda Dijital Pazarlama**

ÖZDEN C.

in: Güncel Gelişmelerle Pazarlama Konular ve Araştırmalar-I, Emre Çolakoğlu, Nur Çağlar Çetinkaya, Editor, Özgür Yayınları, Gaziantep, pp.207-218, 2023

**II. AI and Management Information Systems**

ÖZDEN C.

in: Current Debates on Social Sciences 13, Zeynel KARACAGİL, Editor, Bilgin Kültür Sanat Yayınları, Ankara, pp.152-157, 2023

**III. AI Ethical Consideration and Cybersecurity**

ÖZDEN C.

in: International Studies in Social, Human and Administrative Sciences 1, Ayşe Çatalcalı Ceylan; Salih Batal, Editor, Serüven Yayınevi, Ankara, pp.85-99, 2023

**IV. Dünya ve Türkiye Baklagil Piyasaları ve İhracat Rekabeti Açısından Türkiye'nin Konumu**

ÖZDEN C.

Tarımsal Ekonomi ve Politika Geliştirme Enstitüsü, Ankara, 2015

## Refereed Congress / Symposium Publications in Proceedings

I. **Quantum Computing: Applications In Agriculture And Comparison With Traditional Statistical Methods**

ÖZDEN C.

3. INTERNATIONAL ULUDAĞ SCIENTIFIC RESEARCH CONGRESS, Bursa, Turkey, 27 - 28 July 2024

II. **Seasonality Aware Topological Graph Neural Network for Recommender Systems**

ÖZDEN C., ÖZCAN A.

2024 32nd Signal Processing and Communications Applications Conference (SIU), Mersin, Turkey, 15 - 18 May 2024

III. **The application areas of graph neural networks on agricultural data**

ÖZDEN C.

16. Uluslararası Çinden Adriyatike Bilimsel Araştırmalar Kongresi, Bitlis, Turkey, 12 - 14 July 2024

IV. **DIGITAL TRANSFORMATION IN AGRICULTURE SECTOR OF TÜRKİYE**

ÖZDEN C.

ISPEC - 11 th INTERNATIONAL CONFERENCE ON AGRICULTURE, ANIMAL SCIENCE and RURAL DEVELOPMENT, Muş, Turkey, 3 - 05 March 2023, pp.878-886

V. **AI APPROACHES FOR TIME SERIES ANALYSIS**

ÖZDEN C.

III. INTERNATIONAL ISTANBUL CURRENT SCIENTIFIC RESEARCH CONGRESS, İstanbul, Turkey, 8 - 09 February 2023, pp.173-178

VI. **Convolutional Neural Networks for Time Series Analysis in Agriculture**

ÖZDEN C.

The 1st International Congress on Agricultural Sciences and Veterinary, Niğde, Turkey, 20 - 21 November 2022, pp.98-99

## Metrics

Publication: 29

Citation (WoS): 7

H-Index (WoS): 2

## Non Academic Experience

Development Agency, Batı Akdeniz Kalkınma Ajansı, Antalya Yatırım Destek Ofisi

Other Public Institution, Meteoroloji Genel Müdürlüğü, Meteoroloji Genel Müdürlüğü