



## Assist. Prof. Dr. İNCİLAY YILDIZ

Gayrettepe Social Sciences Campus  
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Interview Hours: salı 12:00-14:00  
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### EDUCATIONAL INFORMATION

Degree	University	Department	Year(s)
Doctoral Degree	Cukurova University	Business (Phd)	2019 - 2023
Bachelor's Degree	Cukurova University	Department of Industrial Engineering	2018 - 2021
Master's Degree	Cukurova University	Business Administration (masters) (with Thesis)	2015 - 2019
Bachelor's Degree	Lefk Europe University	Department of Computer and Information Systems	2009 - 2014

### RESEARCH AREAS

Artificial Intelligence , Machine and Deep Learning, Management Information Systems, Industry 4.0 & Digital Transformation, Computer Vision, Data Analytics & Big Data, Production Planning & Scheduling, ERP-CRM-DSS

### ACADEMIC DUTIES

Duty	University	Area	Year(s)
Head of Department (asst. professor)	Altinbas University	Software Development	2025 -
Doctor Faculty Member	Altinbas University	Management Information Systems Department	2023 -
Research Assistant	Altinbas University	Management Information Systems Department	2022 - 2023

### ADMINISTRATIVE DUTIES

Duty	University	Year(s)
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### ACADEMIC AND PROFESSIONAL MEMBERSHIPS

Organisation	Membership	Year(s)
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### NON-UNIVERSITY EXPERIENCE

Country	Organisation	Duty	Year(s)
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### BOOKS

#### Yeşil Yönetimde Yeni Trendler

SOYER MELİS, ODUNCU FULYA, GÜMÜŞ TUĞBAY BURÇİN, YILDIZ İNCİLAY, DELİPİNAR GÜL ESİN, YAKUT MÜNEVVER, COŞAR BORA, ULUDAĞ DUYGU, AYDEMİR MUZAFFER, TOPAL HAVVA, SEVİMLİ YAŞAR  
NOBEL YAYINEVİ, 978-625-393-468-2, 2024

Scientific Book Chapter(s)

#### Üretim Yönetiminde Yeşil Yönetim: Zorluklar, Fırsatlar Ve İşletmelerde Dönüşüm

YILDIZ İNCİLAY

NOBEL BİLİMSEL, 9786253934682, 2024

Scientific Book Chapter(s)

#### Academic Analysis and Interpretations in Economics and Administrative Sciences (The Importance of Big Data Analytics in the Decision-Making Processes of Businesses)

YILDIZ İNCİLAY

## BOOKS

özgür press, 978-975-447-688-0, 2023

Scientific Book Chapter(s)

**Kitap: DİJİTAL DÖNÜŞÜMÜN ETKİLERİ bölüm: Zekanın dijital dönüşümü "Yapay Zeka"**

YILDIZ İNCİLAY

NOBEL BİLİMSEL, 978-625-398-446-5, 2023

Scientific Book Chapter(s)

**İkdisadi-İdari Bilimlerde Güncel Araştırmalar (Üretim Çizelgeleme Problemleri ve Çözüm Yaklaşımları)**

YILDIZ İNCİLAY, ÇOLAK SELÇUK

gece kitaplığı, 978-625-430-709-6, 2023

Scientific Book Chapter(s)

**Yönetim Bilişim Sistemlerinde Güncel Yaklaşımlar I**

Editörler: İncilay Yıldız, Fulya Oduncu

Nobel Yayıncılık, 978-625-397-461-9, , 2023

Scientific Book All

**Yönetim Bilişim Sistemlerinde Güncel Yaklaşımlar II**

Editörler: İncilay Yıldız, Fulya Oduncu

Nobel Yayıncılık, 978-625-371-846-6, 2024

Scientific Book All

## ARTICLES

**The Importance of Information Systems and Artificial Intelligence Research in Biomedical, Analysis of All Publications in the Scopus Database with R Software**

YILDIZ İNCİLAY

AURUM Journal of Health Sciences, 2024

International

**Web of Science Database Based Bibliometric Analysis of International Publications in the field of Green Transformational Leadership” International Journal of Commerce, Industry and Entrepreneurship Studies**

ODUNCU FULYA, YILDIZ İNCİLAY

International Journal of Commerce, Industry and Entrepreneurship Studies, 2023

National

**Analysis of Research on Machine Learning and Management Information Systems Using Web of Science and R Software**

YILDIZ İNCİLAY, ODUNCU FULYA

International Journal of Commerce, Industry and Entrepreneurship Studies, 2023

National

**Development of a Neural Network Algorithm for Estimating the Makespan in Jobshop Production Scheduling**

YILDIZ İNCİLAY, SAYGIN ABDÜLVAHAP, ÇOLAK SELÇUK, ABUT FATİH

Tehnički vjesnik, 2023

International DOI: 10.17559/TV-20220818161430

**BIBLIOMETRIC ANALYSIS OF STUDIES ON DIGITALIZATION IN LOCAL GOVERNMENTS**

ODUNCU FULYA, AYDEMİR MUZAFFER, YILDIZ İNCİLAY

APPLIED RESEARCH IN ADMINISTRATIVE SCIENCES, 2023

International

**MALWARE DETECTION USING DEEP LEARNING ALGORITHMS**

ALTAİY Mohammed, YILDIZ İNCİLAY, UÇAN BAHADIR

AURUM Mühendislik Sistemleri ve Mimarlık Dergisi, 2023

International DOI: 10.53600/ajesa.1321170

## ARTICLES

### **THE EFFECTS OF WOMAN AS MANAGER PERCEPTIONS OF CIVIL AVIATION SECTOR EMPLOYEES ON ORGANIZATIONAL CLIMATE**

ODUNCU FULYA, YILDIZ İNCİLAY

Iktisadi Kalkınma ve Sosyal Araştırmalar Derneği, 2022

International DOI: 10.46872/pearson.400

### **Veri Madenciliği: Makine Öğrenme Algoritmaları ile Türkiye'nin İşsizlik Oranı Tahminini Etkileyen Faktörlerin Tespit Edilmesi**

YILDIZ İNCİLAY

ULUSLARARASI YÖNETİM BİLİŞİM SİSTEMLERİ VE BİLGİSAYAR BİLİMLERİ DERGİSİ, 2022

National

### **Türkiye'de Mutluluk Düzeyini Etkileyen Faktörlerin Makine Öğrenme ve Nitelik Seçme Algoritmaları ile Belirlenmesi**

YILDIZ İNCİLAY, ABUT FATİH

Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, 2021

National DOI: 10.28948/ngumuh.873199

### **Cranial Abnormalities: A Deep Learning-Based Approach for Classification and Measurement, Enhanced Treatment Sensitivity through 3D Printing,**

Osman Nuri Uçan, İncilay YILDIZ, Memet Ateş, Fulya Oduncu, Emir Kaan Cengiz

International Journal of Medical Engineering and Informatics, 2025

International

### **Optimizing beta-carotene bioaccessibility predictions with advanced machine learning algorithms and feature selection strategies**

İ. Yıldız, M.Y. Düzgün, G. Özkan

Latin American Applied Research-An international journal, 2025

International

### **Damaged Parcel Detection in the Logistics Sector Using the Yolov12 Model with Roboflow 3.0**

ahmet rodoplu, incilay yıldız

Journal of Data Analytics and Artificial Intelligence Applications, 2025

National

## PROCEEDINGS

### **Veri Tabanı Sistemlerine Yeni Bir Yaklaşım: Sürdürülebilir Prosedürel Veri Tabanı Sistemi**

Davulcu Mertcan, YILDIZ İNCİLAY

7. Uluslararası Mühendislik Bilimleri ve Multidisipliner Yaklaşımlar Kongresi, 2024

International

### **The Impact of Artificial Intelligence on Business Processes: A Case Study Approach**

Musa Usman İdris, YILDIZ İNCİLAY

7. Uluslararası Mühendislik Bilimleri ve Multidisipliner Yaklaşımlar Kongresi, 2024

International

### **Bibliometric Analysis of Research on Digital Management on Scopus Database**

ODUNCU FULYA, YILDIZ İNCİLAY, AYDEMİR MUZAFFER

22. Uluslararası İşletmecilik Konferansı, 2023

International

### **Green Production: A Literature Review**

ODUNCU FULYA, YILDIZ İNCİLAY

AKDENİZ 10th INTERNATIONAL CONFERENCE ON SOCIAL SCIENCES, 2023

International

## PROCEEDINGS

### **Bibliometric Analysis of Research in Business Administration and Information Technologies**

YILDIZ İNCİLAY, ODUNCU FULYA

AKDENİZ 10th INTERNATIONAL CONFERENCE ON SOCIAL SCIENCES, 2023

International

### **Predicting the Processor and Channel Utilization of a 2-Dimensional Multiprocessor Architecture by Using Support Vector Regression Combined with Feature**

AKAY MEHMET FATİH, ABUT FATİH, İnan Acı Çiğdem, YILDIZ İNCİLAY

Proceedings of the Eighth Engineering and Technology Symposium, 2015

National

### **Performance comparison of different machine learning methods for prediction of maximal oxygen uptake from submaximal data**

ABUT FATİH, AKAY MEHMET FATİH, YILDIZ İNCİLAY, George JD

Proceedings of the Eighth Engineering and Technology Symposium, 2015

National

### **Prediction of maximum oxygen uptake with different machine learning methods by using submaximal data**

YILDIZ İNCİLAY, AKAY MEHMET FATİH

23rd Signal Processing and Communications Applications Conference (SIU), 2015

National

### **Development of new upper body power prediction models for cross-country skiers by using different machine learning methods**

Daneshvar, s, ABUT FATİH, YILDIZ İNCİLAY, AKAY MEHMET FATİH

23rd Signal Processing and Communications Applications Conference (SIU), 2015

National

### **Design and Implementation of a Web Based Corporate Carbon Management System**

İ.Yıldız; E.H.Özkan; E.Dönmez; E.Altınbaşak

6th International Thales Congress on Life, Engineering, Architecture and Mathematics,

International

### **AI Supported Mathematical Modeling and Machine Learning Based Carbon Footprint Calculation System**

İncilay Yıldız, E.H. Özkan , Y.C. Yorulmaz

6th International Thales Congress on Life, Engineering, Architecture and Mathematics,

International

### **AI Supported Mathematical Modeling and Machine Learning Based Carbon Footprint Calculation System**

İ.Yıldız; E.H.Özkan; Y.C.Yorulmaz

6th International Thales Congress on Life, Engineering, Architecture and Mathematics,

International

## PROJECTS

### **Görüntü İşleme Odaklı Kalite Kontrol Yazılımı (Advisor)**

TÜBİTAK Project, 11.06.2025 -

National Continues

### **Yapay Zeka Destekli Web Tabanlı Kurumsal Karbon Yönetim ve Raporlama Sistemi (Executive)**

BAP, 26.05.2025 -

National Continues

### **Yeşil Sürdürülebilirlik Yönetimi Ölçeği Geliştirme Çabası (Researcher)**

BAP, 26.05.2025 -

National Continues

### **Sürdürülebilir Veri İşlemeyi Mümkün Kılan Prosedürel Veri Tabanı Sistemi (Advisor)**

Other (National), 19.04.2023 - 15.03.2024

National Completed

## PROJECTS

**Pediatric Headgear Shape Abnormalities in Cranial Orthosis Mask Manufacturing Technology's Digitalization**  
(EN\_cv\_academic\_projekonumlari\_)

Research Project, 07.03.2023 - 03.05.2024

National Completed

**SODES Small Inventors Great Inventions (EN\_cv\_academic\_projekonumlari\_15)**

Ministry of Development, 01.05.2018 - 01.03.2019

National Completed

## THESIS SUPERVISION

## COURSES

Course Type	Course Code	Course Name
Bachelor's Degree	YBS207	PROGRAMCILIKTA ALGORİTMA TASARIMI
Bachelor's Degree	YBS211	BİLGİSAYAR DONANIMINDA TEMEL KAVRAMLAR
Bachelor's Degree	YBS307	PROGRAMLAMA I
Bachelor's Degree	YBS405	VERİ MADENCİLİĞİ
Bachelor's Degree	YBS108	SCRIPT TEMELLERİ PROGRAMLARA GİRİŞ: R VE PYTHON
Bachelor's Degree	YBS114	VERİ TABANI UYGULAMALARI
Bachelor's Degree	YBS212	TEDARİK ZİNCİRİ YÖNETİMİ
Bachelor's Degree	YBS412	BÜYÜK VERİ ANALİZİ
Bachelor's Degree	YBS462	YAPAY ZEKA
Master's Degree	EM582	ENDÜSTRİ MÜHENDİSLİĞİNDE ÖZEL KONULAR II

## PERSONAL INFORMATION

### CONTACT INFORMATION

Interview Hours: salı 12:00-14:00

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