

## Lect. PhD SULTAN NEZİHE TURHAN

### Personal Information

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### International Researcher IDs

ScholarID: Sw5PrqkAAAAJ

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Publons / Web Of Science ResearcherID: AAE-2267-2020

ScopusID: 50123456789

Yoksis Researcher ID: 25134

### Education Information

Doctorate, Marmara University, Fen Bilimleri Enstitüsü, Mühendislik Yönetimi (Dr), Turkey 2004 - 2010

Postgraduate, Istanbul Technical University, Bilişim Enstitüsü, Hesaplamalı Bilim Ve Mühendislik, Turkey 2000 - 2003

Undergraduate, Marmara University, İktisadi Ve İdari Bilimler Fakültesi, İşletme Bölümü, Turkey 1992 - 1996

Associate Degree, Bogazici University, Vocational School, Technical Programs Department, Turkey 1988 - 1992

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Supply chain reengineering via service oriented architecture in healthcare supply chain in Turkey, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Mühendislik Yönetimi (Dr), 2010

Postgraduate, Riske Maruz Değer Hesaplamalarında Kullanılan Monte Carlo Simülasyonu için Geliştirilen Paralel Algoritmalar, İstanbul Teknik Üniversitesi, Kamu Hukuku, Hesaplamalı Bilim Ve Mühendislik Anabilim Dalı (Disiplinlerarası), 2003

### Research Areas

Information Storage and Retrieval, Data Representation and Storage, Database Systems, Software Engineering

### Academic Titles / Tasks

Lecturer PhD, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisliği, 1998 - Continues

## Courses

RELATIONAL DATABASES , Undergraduate, 2020 - 2021

## Articles Published in Other Journals

- I. **Vendor Managed Inventory via SOA in healthcare supply chain management**  
TURHAN S. N., VAYVAY Ö.  
International Journal of Business Information Systems, vol.9, no.4, pp.451-464, 2016 (Scopus)

## Books & Book Chapters

- I. **Internet of Things and Big Data Analytics**  
Turhan S. N.  
in: Industry 4.0 and Global Businesses , Enis Yakut, Editor, Emerald Ink Publishing, Bradford, pp.31-54, 2022
- II. **Otizm Spektrum Bozukluğunda Teknoloji Destekli Öğrenmeyi Sağlayan Mobil Uygulama**  
TURHAN S. N., AKGÜL E., ÖZDEMİR S.  
in: ENGELSİZ BİLİŞİM 2022: TEKNOLOJİ IŞIĞINDA YAŞAM, Dr. Öğr. Üyesi Mustafa Özhan KALAÇ, Prof.Dr. Vahap TECİM, Editor, Kriter Yayınevi, Manisa, pp.127-154, 2022
- III. **ÖZEL EĞİTİMDE TEKNOLOJİ VE YENİLİKÇİ ÖĞRENME ORTAMLARI**  
Turhan S. N., Akgül E.  
in: Özel Eğitime Giriş, Esra Akgül, Editor, Istanbul University, İstanbul, pp.207-230, 2020
- IV. **Healthcare Supply Chain Information Systems via Service Oriented Architecture**  
TURHAN S. N., VAYVAY Ö.  
in: Handbook on Business Information Systems, Gunasekaran, A. & Sandhu M., Editor, World Scientific Publishing , pp.3-24, 2010

## Refereed Congress / Symposium Publications in Proceedings

- I. **Exploring Graph-Based Techniques in Job Recommendation Systems**  
Özlu Ö. A., ORMAN G. K., TURHAN S. N.  
12th IEEE International Conference on Intelligent Systems, IS 2024, Varna, Bulgaria, 29 - 31 August 2024
- II. **An Empirical Study of Covid-19 Effect on Health Care Workers' Career Development**  
acar k., ORMAN G. K., TURHAN S. N.  
IEEE International Conference on Big Data, sorrento, Italy, 15 - 19 December 2023
- III. **Leveraging Graph Databases for Enhanced Healthcare Data Management: A Performance Comparison Study**  
Turhan S. N.  
IEEE Big Data , Naples, Italy, 15 - 18 December 2023, pp.5007-5013
- IV. **Extracting Relations Between Sectors**  
Kara A., DANIŞ F. S., ORMAN G. K., TURHAN S. N.  
9th IEEE/ACM International Conference on Big Data Computing, Applications and Technologies (BDCAT2022), Vancouver, Washington, United States Of America, 6 - 09 December 2022, pp.77-82
- V. **Extracting Relations Between Sectors**  
Kara A., Daniş F. S., Orman G. K., Turhan S. N.  
2022 IEEE/ACM International Conference on Big Data Computing, Applications and Technologies (BDCAT), Washington, United States Of America, 06 December 2022, pp.77-82
- VI. **"Otizm Spektrum Bozukluğu Gösteren Yetişkin Bireylere Web Geliştirme Programlaması Öğretimi" / Teaching Web Development Programming To Adults With Autism Spectrum Disorder**  
TURHAN S. N., AKGÜL E.

- VII. **Similarity-Based Résumé Matching via Triplet Loss with BERT Models**  
Özlu Ö. A., Orman G. K., Daniş F. S., Turhan S. N., Kara K. C., Yücel T. A.  
IntelliSys 2022: Intelligent Systems and Applications, Amsterdam, Netherlands, 1 - 02 September 2022, vol.544, pp.520-532
- VIII. **Job Recommendation Based on Extracted Skill Embeddings**  
Kara A., Daniş F. S., Orman G. K., Turhan S. N., Özlu Ö. A.  
IntelliSys 2022: Intelligent Systems and Applications, Amsterdam, Netherlands, 1 - 02 September 2022, pp.497-507
- IX. **3D Mesh Model Generation from CT and MRI data**  
Koc C., PINARER Ö., TURHAN S. N.  
2021 IEEE International Conference on Big Data, Atalanta, United States Of America, 15 - 18 December 2021, vol.1, pp.4725-4730
- X. **Determining Column Numbers in Résumés with Clustering**  
Keskin Ş. R., Balı Y., Orman G. K., Daniş F. S., Turhan S. N.  
18th IFIP WG 12.5 International Conference on Artificial Intelligence Applications and Innovations, AIAI 2022, Hersonissos, Greece, 17 - 20 June 2022, vol.647 IFIP, pp.460-471
- XI. **Pandemic Effect: Degradation of Speech Reception Due to Medical Masks**  
Pınarer Ö., Turhan S. N.  
2020 IEEE International Conference on Big Data (Big Data), Georgia, United States Of America, 10 - 13 December 2020, pp.1-7
- XII. **Respiratory Rate Prediction Algorithm based on Pulse Oximeter**  
Cetinkaya N., Turhan S. N., PINARER Ö.  
2021 IEEE International Conference on Big Data, Big Data 2021, Virtual, Online, United States Of America, 15 - 18 December 2021, pp.4652-4658
- XIII. **Regional Analysis of Death Rate due to Air Pollution in Turkey and its Neighbors**  
Karazag Y. E., Turhan S. N., PINARER Ö., NASKALI A. T.  
2019 IEEE International Conference on Big Data, Big Data 2019, California, United States Of America, 9 - 12 December 2019, pp.2746-2755
- XIV. **Data Similarity Analysis on Air Pollution Data Hava Kirliliği Verisi Üzerinde Veri Benzerliği İncelemesi**  
Karazag Y. E., Akturk I., Turhan S. N., PINARER Ö.  
2019 Innovations in Intelligent Systems and Applications Conference, ASYU 2019, İzmir, Turkey, 31 October - 02 November 2019
- XV. **Query Performance Evaluation over Health Data**  
Turhan S. N., Pınarer Ö.  
11th International Conference e-Health 2019, Porto, Portugal, 17 - 19 July 2019, pp.1
- XVI. **Web Service Solution for Adverse Drug Events and Medication Errors**  
Pınarer Ö., Turhan S. N.  
2018 IEEE International Conference on Big Data, Big Data 2018, Washington, United States Of America, 10 - 13 December 2018, pp.2449-2452
- XVII. **Combining Big Data Analytics with Business Process Reengineering in Healthcare Supply Chain**  
Turhan S. N.  
INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGUES ICENTE17, Konya, Turkey, 7 - 10 December 2017, pp.11-1
- XVIII. **Merkezi Sterilizasyon Üniteleri 3letimi için Akll SistemModellemesi**  
TURHAN S. N., PINARER Ö., FINDIK A.  
Akıllı Sistemlerde Yenilik ve Uygulamaları Konferansı ASYU 2017, Turkey, 5 - 07 October 2017
- XIX. **Laser Barcode-based Surgical Instrument Tracking System**  
Findik A., PINARER Ö., Turhan S.  
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017

- XX. **Determination of the Correlation between Air Quality and Diseases of Circulatory and Respiratory Systems**  
Turhan S. N., Eskiocak D. İ.  
5th International Symposium on Innovative Technologies in Engineering and Science , Baku, Azerbaijan, 29 September - 01 October 2017, pp.1
- XXI. **A Mobile Educative Application to Teach Basic skills to Children with Autism Spectrum Disorder**  
AKGÜL E., SUBAŞI YURTÇU A. B., SOLA ÖZGÜÇ C., TURHAN S. N.  
ERPA International congress on education, 1 - 03 June 2015
- XXII. **Art's Education in Autism**  
Turhan S. N., Akgül E., Özgüç C. S., Subaşı Yurtçu A. B.  
iSER 2015 World Conference on Education: "A framework and research agenda for 21st century education", İstanbul, Turkey, 10 June 2015, pp.1
- XXIII. **A mobile educative application to teach basic skills to children with autism spectrum disorders**  
Turhan S. N., Akgül E., Özgüç C. S., Subaşı Yurtçu A. B.  
ERPA 2015International Congress on Education, Athens, Greece, 4 - 07 June 2015, pp.227
- XXIV. **An Android Application For Volunteer Blood Donors**  
Turhan S. N.  
CCSEIT 2015 Fifth International Conference on Computational Science, Engineering, and Information Technology, Vienna, Austria, 23 - 24 May 2015, pp.1-5
- XXV. **A Mobile Educational Application For Children with Autism Spectrum Disorder**  
Turhan S. N., Ökten C. E.  
International Congress on Education for the Future: Issues and Challenges (ICEFIC 2015), Ankara, Turkey, 13 - 15 May 2015, pp.564
- XXVI. **Data Processing for Turkish e learning platform**  
Turhan S. N.  
International Conference on Education and Modern Education Technologies EMET 2014, Athens, Greece, 18 - 20 July 2014, pp.1
- XXVII. **A non traditional vendor managed inventory a service oriented based supply chain modeling in health services**  
TURHAN S. N., VAYVAY Ö.  
3rd International Conference on Industrial Engineering and Operations Management, İstanbul, Turkey, 3 - 06 July 2012
- XXVIII. **Kan Bağıışı ve Temini Bilgi SistemiTürkiye için bir Modelleme**  
Turhan S. N., Yaşar A., Özdemir U.  
ASYU , Trabzon, Turkey, 1 - 03 July 2012, pp.1

## Supported Projects

TURHAN S. N., Project Supported by Higher Education Institutions, Sağlık veri yönetimi için graph temelli veri tabanı modellemesi, 2023 - Continues

Usluer H. B., Egi S. M., Turhan S. N., Özyiğit T., Özçelik T. O., Öniz H., EU Supported Other Project, SCIENCE in BLUE "WHEN SCIENTIST GO UNDER THE WATER", 2024 - 2026

PINARER Ö., TURHAN S. N., NASKALÍ A. T., Project Supported by Higher Education Institutions, Yapı Bilgi Modellemesi Destekli Yeni Nesil Akıllı Bina Yönetim Sistemi, 2021 - 2022

TURHAN S. N., Project Supported by Higher Education Institutions, MERKEZİ STERİLİZASYON ÜNİTELERİ İÇİN AKILLI SAĞLIK BİLGİ SİSTEMİ TASARIMI VE SAĞLIK VERİSİ YÖNETİMİ, 2018 - 2021

TURHAN S. N., GÖKER MUTLU N., Project Supported by Higher Education Institutions, ANDROİD İŞLETİM SİSTEMİ ÜZERİNDE MOBİL EĞİTİM YAZILIMLARI GELİŞTİRME, 2015 - 2018

TURHAN S. N., Project Supported by Higher Education Institutions, KAN BAĞIŞI VE TEMİNİ BİLGİ SİSTEMİ- TÜRKİYE İÇİN BİR MODELLEME, 2012 - 2015

TURHAN S. N., Project Supported by Higher Education Institutions, YABANCI ÖĞRENCİLER İÇİN TÜRKÇE ÖĞRENİM METODOLOJİSİ GELİŞTİRME, 2012 - 2015

## **Metrics**

Publication: 33

Citation (WoS): 1

Citation (Scopus): 28

H-Index (WoS): 1

H-Index (Scopus): 2

## **Non Academic Experience**

CHEQUE DEJEUNER SERVIS A.Ş.

KOÇ ÜNİVERSİTESİ

GALATASARAY ÜNİVERSİTESİ

DEMİRBANK T.A.Ş