

## Asst. Prof. YUNUS EMRE IŐIK

### Personal Information

**Email:** yeisik@cumhuriyet.edu.tr

**Web:** <https://avesis.cumhuriyet.edu.tr/yeisik>

### International Researcher IDs

ScholarID: Jo7NQF8AAAAJ

ORCID: 0000-0001-6176-7545

Yoksis Researcher ID: 226524

### Education Information

Doctorate, Abdullah Gul University, Fen Bilimleri Enstitüsü, Elektrik Ve Bilgisayar Mühendisliđi Anabilim Dalı (Disiplinlerarası), Turkey 2018 - 2024

Postgraduate, Sivas Cumhuriyet University, Sosyal Bilimler Enstitüsü, Yönetim Bilişim Sistemeleri (YI) (Tezli), Turkey 2015 - 2018

Undergraduate, Mehmet Akif Ersoy Üniversitesi, Bucak Zeliha Tolunay Uygulamalı Teknoloji Ve İşletmecilik Yüksekokulu, Yönetim Bilişim Sistemleri Bölümü, Turkey 2009 - 2013

### Dissertations

Doctorate, Machine learning methods for detecting genetic and infectious diseases, Abdullah Gul University, Fen Bilimleri Enstitüsü, Elektrik Ve Bilgisayar Mühendisliđi Anabilim Dalı (Disiplinlerarası) , 2024

Postgraduate, Otomatik Doküman Özetleme Yöntemlerinin Karşılaştırılması, Sivas Cumhuriyet Üniversitesi, Sosyal Bilimler Enstitüsü, Yönetim Bilişim Sistemeleri (YI) (Tezli), 2018

### Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition

### Academic Titles / Tasks

Research Assistant, Sivas Cumhuriyet University, İktisadi Ve İdari Bilimler Fakültesi, Yönetim Bilişim Sistemleri Bölümü, 2015 - Continues

### Courses

Kurumsal Kaynak Planlama Entegrasyonu, Undergraduate, 2018 - 2019

Mobil Programlama, Undergraduate, 2019 - 2020

Mobil Programlama, Undergraduate, 2019 - 2020

Mobil Programlama, Undergraduate, 2017 - 2018, 2016 - 2017

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

- I. **A deep learning-based solution for digitization of invoice images with automatic invoice generation and labelling**  
Arslan H., Işık Y. E., Görmez Y.  
INTERNATIONAL JOURNAL ON DOCUMENT ANALYSIS AND RECOGNITION, vol.27, no.1, pp.97-109, 2024 (SCI-Expanded)
- II. **Machine Learning and Text Mining based Real-Time Semi-Autonomous Staff Assignment System**  
Arslan H., Işık Y. E., Görmez Y., Temiz M.  
Computer Science and Information Systems, vol.21, no.1, pp.75-94, 2024 (SCI-Expanded)
- III. **Comparative analysis of machine learning approaches for predicting respiratory virus infection and symptom severity**  
IŞIK Y. E., AYDIN Z.  
PeerJ, vol.11, 2023 (SCI-Expanded)
- IV. **The Determination of Distinctive Single Nucleotide Polymorphism Sets for the Diagnosis of Behcet's Disease**  
IŞIK Y. E., GÖRMEZ Y., AYDIN Z., Bakir-Gungor B.  
IEEE-ACM TRANSACTIONS ON COMPUTATIONAL BIOLOGY AND BIOINFORMATICS, vol.19, no.3, pp.1909-1918, 2022 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A novel hybrid model for bluetooth low energy-based indoor localization using machine learning in the internet of things**  
GÖRMEZ Y., ARSLAN H., IŞIK Y. E., TOMAÇ S.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.30, no.1, pp.36-43, 2024 (ESCI)
- II. **Developing Novel Deep Learning Models to Detect Insider Threats and Comparing the Models from Different Perspectives**  
GÖRMEZ Y., ARSLAN H., IŞIK Y. E., GÜNDÜZ V.  
INTERNATIONAL JOURNAL OF INFORMATICS TECHNOLOGIES, vol.17, no.1, pp.31-43, 2024 (Peer-Reviewed Journal)
- III. **A User and Entity Behavior Analysis for SIEM Systems: Preprocessing of The Computer Emergency and Response Team Dataset**  
Görmez Y., Arslan H., Işık Y. E., Dadaş İ. E.  
Journal of Soft Computing and Artificial Intelligence, vol.4, no.1, pp.1-6, 2023 (Peer-Reviewed Journal)
- IV. **Classification of Support Tickets using Different Vectorization and Pre-Processing Methods**  
ARSLAN H., DADAŞ İ. E., IŞIK Y. E.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.10, no.3, pp.1433-1442, 2022 (Peer-Reviewed Journal)
- V. **FBSEM: A Novel Feature-Based Stacked Ensemble Method for Sentiment Analysis**  
GÖRMEZ Y., IŞIK Y. E., TEMİZ M., AYDIN Z.  
International Journal of Information Technology and Computer Science, vol.12, pp.11-22, 2020 (Peer-Reviewed Journal)
- VI. **Makine Öğrenmesi ve Öznitelik Seçim Yöntemleriyle Saldırı Tespiti**  
KAYNAR O., ARSLAN H., GÖRMEZ Y., IŞIK Y. E.  
Bilişim Teknolojileri Dergisi, vol.11, no.2, pp.175-185, 2018 (Peer-Reviewed Journal)
- VII. **OTOMATİK METİN ÖZETLEME İÇİN GENETİK ALGORİTMA TABANLI CÜMLE ÇIKARIMI**  
KAYNAR O., IŞIK Y. E., GÖRMEZ Y., DEMİRKOPARAN F.  
Yönetim Bilişim Sistemleri Dergisi, vol.3, pp.62-75, 2017 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **BLOCKCHAIN BASED VEHICLE REGISTRATION SYSTEM**  
ÖRNEK F., GÜLER Z., IŞIK Y. E., ARSLAN H.  
IV. International Science and Innovation Congress, Turkey, 27 July 2023, pp.41
- II. **Türkçe Faturaların Dijitalleştirilmesi Sürecinde Açık Kaynak Kodlu Optik Karakter Tanımlama Kütüphanelerinin Karşılaştırılması**  
SAĞLIK M., KAYA M. Z., IŞIK Y. E., ARSLAN H.  
International Cumhuriyet Artificial Intelligence Applications Conference'22 (CAIAC'22), Sivas, Turkey, 08 December 2022
- III. **Development of Syslog Module for Connecting Sap Systems to SIEM Software**  
ARSLAN H., GÜNDÜZ V., IŞIK Y. E., GÖRMEZ Y.  
14th INTERNATIONAL CONFERENCE ON ENGINEERING & NATURAL SCIENCES, Sivas, Turkey, 18 July 2022, pp.642-643
- IV. **Tracking IoT Based Production Lines, 3d Monitoring and the Platform of Productivity Analysis**  
GÖRMEZ Y., ARSLAN H., IŞIK Y. E., ELYAKAN M. L.  
14th INTERNATIONAL CONFERENCE ON ENGINEERING & NATURAL SCIENCES, Sivas, Turkey, 18 July 2022
- V. **NSEM: Novel Stacked Ensemble Method for Sentiment Analysis**  
IŞIK Y. E., GÖRMEZ Y., KAYNAR O., AYDIN Z.  
2018 International Conference on Artificial Intelligence and Data Processing (IDAP), Turkey, 28 - 29 September 2018
- VI. **NSEM: Duygu Analizi için Özgün Yığılanmış Topluluk Yöntemi(NSEM: Novel Stacked Ensemble Method for Sentiment Analysis)**  
IŞIK Y. E., GÖRMEZ Y., KAYNAR O., AYDIN Z.  
IEEE 2018 International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018, pp.1-4
- VII. **The Identification of Discriminative Single Nucleotide Polymorphisms for the Classification of Behçets Disease**  
GÖRMEZ Y., IŞIK Y. E., GÜNGÖR B.  
International Conference on Computer Science and Engineering (UBMK), 20 - 23 September 2018
- VIII. **Protein İkincil Yapı Tahmini İçin Makine Öğrenmesi Yöntemlerinin Karşılaştırılması (Comparison of machine learning classifiers for protein secondary structure prediction)**  
AYDIN Z., KAYNAR O., GÖRMEZ Y., IŞIK Y. E.  
IEEE Conferences 2018 26th Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018, vol.1
- IX. **Otomatik Doküman Özetleme Sistemleri için Mobil Uygulama(Mobil application for automatic document summarization systems)**  
KAYNAR O., IŞIK Y. E., GÖRMEZ Y., Kus E.  
IEEE Conferences 2018 26th Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- X. **The Identification of Discriminative Single Nucleotide Polymorphism Sets for the Classification of Behcet's Disease**  
GÖRMEZ Y., IŞIK Y. E., Bakir-Gungor B.  
3rd International Conference on Computer Science and Engineering (UBMK), Sarajevo, Bosnia And Herzegovina, 20 - 23 September 2018, pp.443-447
- XI. **Comparison of graph based document summarization method**  
KAYNAR O., GÖRMEZ Y., IŞIK Y. E., DEMİRKOPARAN F.  
2017 International Conference on Computer Science and Engineering (UBMK), Turkey, 05 October 2017
- XII. **Genetic Algorithm Based Sentence Extraction for Automatic Text Summarization**  
KAYNAR O., IŞIK Y. E., GÖRMEZ Y., DEMİRKOPARAN F.  
4th International Management Information Systems Conference "Industry 4.0", İstanbul, Turkey, 17 October 2017, pp.127
- XIII. **Çizge tabanlı doküman özetleme yöntemlerinin karşılaştırılması (Comparison of graph based**

### document summarization method)

KAYNAR O., GÖRMEZ Y., IŞIK Y. E., DEMİRKOPARAN F.

IEEE Conferences 2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 October 2017, pp.598-603

XIV. **RFM Tabanlı Farklı Kümeleme Yöntemleriyle Müşteri Segmentasyonu**

KAYNAR O., DEVECİ M. A., GÖRMEZ Y., IŞIK Y. E.

International Conference on "Scientific Cooperation for the Future in Economics and Administrative Sciences, Selanik, Greece, 6 - 08 September 2017, pp.21

XV. **Oto kodlayıcı tabanlı derin öğrenme makinaları ile saldırı tespiti (Intrusion detection with autoencoder based deeplearning machine)**

KAYNAR O., YÜKSEK A. G., GÖRMEZ Y., IŞIK Y. E.

IEEE Conferences 25. SINYAL ISLEME ve ILETISIM UYGULAMALARI KURULTAYI, Antalya, Turkey, 15 - 18 May 2017

XVI. **Farklı Benzerlik Yöntemleriyle Çizge Tabanlı Otomatik Doküman Özetleme (Graph Based Automatic Document Summarization with Different Similarity Methods)**

KAYNAR O., IŞIK Y. E., GÖRMEZ Y., DEMİRKOPARAN F.

IEEE Conferences 25. SINYAL ISLEME ve ILETISIM UYGULAMALARI KURULTAYI, Antalya, Turkey, 15 - 18 May 2017

XVII. **Intrusion detection with autoencoder based deep learning machine**

KAYNAR O., YÜKSEK A. G., GÖRMEZ Y., IŞIK Y. E.

25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017

XVIII. **Fabric Defect Detection with LBP-GLMC**

KAYNAR O., IŞIK Y. E., GÖRMEZ Y., DEMİRKOPARAN F.

2017 International Artificial Intelligence and Data Processing Symposium (IDAP), Malatya, Turkey, 16 - 17 September 2017

XIX. **Graph Based Automatic Document Summarization with Different Similarity Methods**

KAYNAR O., IŞIK Y. E., GÖRMEZ Y.

25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017

XX. **Değişik Kümeleme Algoritmalarıyla Eğitilmiş Radyal Tabanlı Yapay Sinir Ağlarıyla Saldırı Tespiti**

KAYNAR O., GÖRMEZ Y., IŞIK Y. E., DEMİRKOPARAN F.

International Artificial Intelligence and Data Processing Symposium, 17 - 18 September 2016

XXI. **OTO KODLAYICI TABANLI DERİN ÖĞRENME MAKİNALARI İLE SPAM TESPİTİ**

KAYNAR O., GÖRMEZ Y., IŞIK Y. E.

3. rd International Management Information System Conference, İzmir, Turkey, 6 - 08 October 2016, pp.44-54

## Supported Projects

Işık Y. E., Görmez Y., Demirkoparan F., Kaynar O., Project Supported by Higher Education Institutions, OTOMATİK DOKÜMAN ÖZETLEME, 2017 - 2018

## Metrics

Publication: 32

Citation (WoS): 11

Citation (Scopus): 62

H-Index (WoS): 3

H-Index (Scopus): 4