

## Asst. Prof. MUSTAFA TEMİZ

### Personal Information

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

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

### International Researcher IDs

ORCID: 0000-0002-2839-1424

Publons / Web Of Science ResearcherID: KZU-4768-2024

ScopusID: 57219794472

Yoksis Researcher ID: 270322

### Education Information

Doctorate, Abdullah Gul University, Fen Bilimleri Enstitüsü, Elektrik Ve Bilgisayar Mühendisliği Anabilim Dalı (Disiplinlerarası), Turkey 2019 - 2024

Postgraduate, Sivas Cumhuriyet University, İktisadi ve İdari Bilimler Fakültesi, Yönetim Bilişim Sistemleri Bölümü, Turkey 2015 - 2018

Undergraduate, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2010 - 2015

### Dissertations

Doctorate, Design and development of machine learning models for disease prediction and biomarkers detection, Abdullah Gul University, 2024

Postgraduate, Doğal Taş Karolarının Görüntü İşleme ve Makine Öğrenmesi Teknikleri ile Sınıflandırılması, Sivas Cumhuriyet Üniversitesi, İktisadi ve İdari Bilimler Fakültesi, Yönetim Bilişim Sistemleri Bölümü, 2018

### Research Areas

Computer Sciences, bioinformatics, Computer Learning, Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Sivas Cumhuriyet University, İktisadi ve İdari Bilimler Fakültesi, Yönetim Bilişim Sistemleri Bölümü, 2024 - Continues

Research Assistant PhD, Sivas Cumhuriyet University, İktisadi ve İdari Bilimler Fakültesi, Yönetim Bilişim Sistemleri Bölümü, 2017 - Continues

### Courses

#### Undergraduate

Veri Tabanı Yönetim Sistemleri I, Undergraduate, 2024 - 2025

E-İş ve E-Ticaret, Undergraduate, 2019 - 2020

E-İş ve E-Ticaret, Undergraduate, 2019 - 2020

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

- I. **CCPred: Global and population-specific colorectal cancer prediction and metagenomic biomarker identification at different molecular levels using machine learning techniques**  
Bakir-Gungor B., Temiz M., Inal Y., Cicekyurt E., Yousef M.  
Computers in Biology and Medicine, vol.182, 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. **miRdisNET: Discovering microRNA biomarkers that are associated with diseases utilizing biological knowledge-based machine learning**  
Jabeer A., Temiz M., GÜNGÖR B., Yousef M.  
Frontiers in Genetics, vol.13, 2023 (SCI-Expanded)
- IV. **Topological feature generation for link prediction in biological networks**  
Temiz M., GÜNGÖR B., Güner Şahan P., COŞKUN M.  
PeerJ, vol.11, 2023 (SCI-Expanded)
- V. **microBiomeGSM: the identification of taxonomic biomarkers from metagenomic data using grouping, scoring and modeling (G-S-M) approach**  
Bakir-Gungor B., Temiz M., Jabeer A., Wu D., Yousef M.  
Frontiers in Microbiology, vol.14, 2023 (SCI-Expanded)
- VI. **Enlightening the molecular mechanisms of type 2 diabetes with a novel pathway clustering and pathway subnetwork approach**  
GÜNGÖR B., ÜNLÜ YAZICI M., Göy G., Temiz M.  
Turkish Journal of Biology, vol.46, no.4, pp.318-341, 2022 (SCI-Expanded)

## Articles Published in Other Journals

- I. **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)
- II. **A Study On Profiling Students via Data Mining**  
ALAN M. A., TEMİZ M.  
Alphanumeric Journal, vol.7, no.2, pp.239-248, 2019 (Peer-Reviewed Journal)

## Papers Published in Refereed Scientific Meetings

- I. **Colorectal Cancer Prediction via Applying Recursive Cluster Elimination with Intra-cluster Feature Elimination on Metagenomic Pathway Data**  
TEMİZ M., KUZUDİŞLİ C., Yousef M., GÜNGÖR B.  
International Conference on Intelligent and Fuzzy Systems, 16 - 18 July 2024
- II. **Prediction of Type 2 Diabetes using Metagenomic Data and Identification of Taxonomic Biomarkers**  
TEMİZ M., KUZUDİŞLİ C., GÜNGÖR B., Yousef M.  
2024 32nd Signal Processing and Communications Applications Conference (SIU), Turkey, 15 - 18 May 2024
- III. **Population Specific Classification of Colorectal Cancer with Meta-Analysis of Metagenomic Data**  
TEMİZ M., Yousef M., GÜNGÖR B.  
ASYU 2023: Innovations in Intelligent Systems and Applications Conference, Turkey, 03 October 2023
- IV. **Blockchain Based User Management System**  
TEMİZ M., SORAN A., ARSLAN H., ASLAN H.

IEEE Signal Processing and Communications Applications (SIU), Gaziantep, Turkey, 05 October 2020, pp.1-4

**V. Automatic Classification of Natural Stone Tiles with Computer Vision**

KAYNAR O., TORUN Y., TEMİZ M., GÖRMEZ Y.

3rd International Conference on Computer Science and Engineering (UBMK), Sarajevo, Bosnia And Herzegovina,  
20 - 23 September 2018, pp.527-532

## **Metrics**

Publication: 13

Citation (WoS): 3

Citation (Scopus): 27

H-Index (WoS): 1

H-Index (Scopus): 3

## **Non Academic Experience**

Business Establishment Private, DETAY TEKNOLOJİ YAZILIM DANIŞMANLIK VE BİLGİSAYAR HİZMETLERİ TİCARET  
SANAYİ ANONİM ŞİRKETİ, Araştırma, Araştırmacı