

## Res. Asst. SİNEM ÖZDEMİR

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Karadeniz Technical University, Turkey 2018 - 2025

Postgraduate, Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2015 - 2018

Undergraduate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Matematik Mühendisliği, Turkey 2009 - 2014

### Certificates, Courses and Trainings

IT, Online G Power ile Güç Analizi Eğitimi, İSTAR Danışmanlık, 2024

IT, Online İleri Düzey SPSS Eğitimi, İSTAR DANIŞMANLIK, 2024

Health&Medicine, İyi Klinik Uygulamalar Kursu, MINISTRY OF HEALTH, 2024

IT, Online Temel Düzey SPSS Eğitimi, İSTAR DANIŞMANLIK, 2024

Health&Medicine, 2. Computer-Aided Drug Design Symposium and Workshop -Linking Design, Biruni Üniversitesi, 2022

### Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Tıp Fakültesi, Temel Tıp, 2020 - Continues

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

- Prediction of gestational diabetes using deep learning and Bayesian optimization and traditional machine learning techniques.**  
Kurt B., Gürlek B., Keskin S., Özdemir S., Karadeniz Ö., Kırkbir İ., Kurt T., Ünsal S., Kart C., Baki N., et al.  
Medical & biological engineering & computing, vol.61, no.7, pp.1649-1660, 2023 (SCI-Expanded)
- A prospective study for gestational diabetes mellitus: Analysis of risk factors in Turkish women for early prediction**  
KURT B., Gurlek B., Keskin S., Kurt T., Kırkbir I. B., KART C., ÖZDEMİR S., Baki N., ÜNSAL S., TURHAN K.  
INTERNATIONAL JOURNAL OF GYNECOLOGY & OBSTETRICS, vol.161, no.2, pp.525-535, 2023 (SCI-Expanded)

### Papers Published in Refereed Scientific Meetings

- Utilizing Pretrained GPT-2 Model for Analyzing Drug Reviews**  
Özdemir S., Turhan K.

15. Tıp Bilişimi Kongresi, Trabzon, Turkey, 30 - 31 May 2024, pp.306
- II. **Integration of Non-Negative Matrix Factorization to Identification of Immune System Checkpoints**  
Siyah B., Kalaycı M. E., Özdemir S., Berber T., Turhan K.  
15. Tıp Bilişimi Kongresi, Trabzon, Turkey, 30 - 31 May 2024, pp.158-170
- III. **A Study on Immunoreceptor Tyrosine-Based Motifs**  
Turhan K., Özdemir S., Zihni N. B., Kalaycı M. E., Ünsal S.  
14. Tıp Bilişimi Kongresi, İzmir, Turkey, 16 - 18 March 2023, pp.124-127
- IV. **Machine Learning-Based New Gene Discovery and Drug Repositioning Platform for Improving Immunotherapy Efficacy in Cancer**  
Turhan K., Ünsal S., Cüvitoğlu A., Özdemir S., Ünsal Ü., Kasap B., Karaca C., Acar A. C., Doğan T., Timuçin E., et al.  
DUYURUINTERNATIONAL MOLECULAR IMMUNOLOGY & IMMUNOGENETICS CONGRESS V , İzmir, Turkey, 20 October 2022 - 22 March 2023, pp.48
- V. **A Protein Representation Model for Low-Data**  
Ünsal S., Özdemir S., Özdiñç I., Bayraklı A., Albayrak M., Turhan K., Doğan T., Acar A. C.  
15th International Symposium on Health Informatics and Bioinformatics, Mersin, Turkey, 20 - 21 October 2022, pp.105-106
- VI. **PDEs-Based Gaussian Noise Removal from Color Images**  
ÖZDEMİR S., DİZDAROĞLU B.  
9th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 26 - 28 November 2015, pp.246-250

## Supported Projects

KURT B., NUHOĞLU İ., GÜRLEK B., KART C., TURHAN K., BAKİ N., KESKİN S., TUBITAK Project, GESTASYONEL DİYABET TANISINDA KLİNİK KARAR DESTEK MODELİ, Continues  
Kurt B., Turhan K., TUBITAK Project, Kanserde İmmünoterapi Etkinliğini Artırmak İçin Makine Öğrenmesine Dayalı Gen Keşfi ve İlaç Yeniden Konumlandırma Platformunun Geliştirilmesi, 2020 - 2023

## Tasks In Event Organizations

Turhan K., Albayrak M., AYDIN KASAP Z., ÖZDEMİR S., KALAYCI M. E., 15. Tıp Bilişimi Kongresi, Scientific Congress, Trabzon, Turkey, Mayıs 2024

## Scientific Research / Working Group Memberships

Modelling Immunotherapy Response And Toxicity İn Cancer, Karadeniz Technical University, Turkey, <https://www.immuno-model.eu/>, 2023 - Continues  
European Network For Diagnosis And Treatment Of Antibiotic-Resistant Bacterial İnfections (Eurestop), Karadeniz Technical University, Turkey, <https://eurestop.eu/>, 2022 - Continues  
European Network On Optimising Treatment With Therapeutic Antibodies İn Chronic İnflammatory Diseases (Enotta), Karadeniz Technical University, Turkey, <https://enotta.eu/>, 2022 - Continues

## Metrics

Publication: 8  
Citation (WoS): 3  
Citation (Scopus): 12  
H-Index (WoS): 1

H-Index (Scopus): 1