

## Res. Asst. FEYZA YILDIRIM OKAY

### Personal Information

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### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), Turkey 2013 - 2019

Post Graduate, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), Turkey 2011 - 2013

Post Graduate, Tobb University Of Economics And Technology, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), Turkey 2010 - 2011

Under Graduate, Cankaya University, İktisadi Ve İdari Bilimler Fakültesi, İşletme Bölümü, Turkey 2008 - 2010

Under Graduate, Cankaya University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2005 - 2010

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Nesnelerin İnterneti için Sis Hesaplama Tabanlı Veri Kümeleme ve Yönlendirme Modelleri, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), 2019

Post Graduate, Kablosuz algılayıcı ağlarda çok-amaçlı evrimsel algoritmalar ile etkin güvenli kapsama kontrolü, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), 2013

### Academic Titles / Tasks

Research Assistant, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2010 - Continues

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Big Data Analytics for Default Prediction using Graph Theory**  
Yıldırım M., Yıldırım Okay F., Özdemir S.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.176, pp.1-17, 2021 (Journal Indexed in SCI Expanded)
- II. **A deep learning-based CEP rule extraction framework for IoT data**  
Şimşek M. U. , Yıldırım Okay F., Ozdemir S.  
JOURNAL OF SUPERCOMPUTING, 2021 (Journal Indexed in SCI)
- III. **Fog computing-based privacy preserving data aggregation protocols**  
YILDIRIM OKAY F., Ozdemir S., Xiao Y.  
TRANSACTIONS ON EMERGING TELECOMMUNICATIONS TECHNOLOGIES, vol.31, no.4, 2020 (Journal Indexed in SCI)
- IV. **Routing in Fog-Enabled IoT Platforms: A Survey and an SDN-Based Solution**  
YILDIRIM OKAY F., Ozdemir S.

IEEE INTERNET OF THINGS JOURNAL, vol.5, no.6, pp.4871-4889, 2018 (Journal Indexed in SCI)

- V. **IMPROVING COVERAGE IN WIRELESS SENSOR NETWORKS USING MULTI-OBJECTIVE EVOLUTIONARY ALGORITHMS**  
YILDIRIM OKAY F., Ozdemir S.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.30, no.2, pp.143-153, 2015 (Journal Indexed in SCI)
- VI. **MEDIUM ACCESS CONTROL PROTOCOLS IN WIRELESS SENSOR NETWORKS**  
YILDIRIM OKAY F., Ozdemir S.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.29, no.1, pp.49-59, 2014 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **TPS3: A privacy preserving data collection protocol for smart grids**  
ŞİMŞEK M. B. , YILDIRIM OKAY F., Mert D., Ozdemir S.  
INFORMATION SECURITY JOURNAL, vol.27, no.2, pp.102-118, 2018 (Journal Indexed in ESCI)

### Refereed Congress / Symposium Publications in Proceedings

- I. **SDN-Based Data Forwarding in Fog-Enabled Smart Grids**  
YILDIRIM OKAY F., ÖZDEMİR S., DEMİRCİ M.  
IEEE GPECOM 2019, 12 - 15 June 2019
- II. **Efficient and Secure Coverage Control in Internet of Things**  
YILDIRIM OKAY F., Ozdemir S.  
3rd International Conference on Computer Science and Engineering (UBMK), Sarajevo, Bosnia And Herzegovina, 20 - 23 September 2018, pp.90-95
- III. **A Secure Data Aggregation Protocol for Fog Computing Based Smart Grids**  
YILDIRIM OKAY F., Ozdemir S.  
12th IEEE International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG), Doha, Qatar, 10 - 12 April 2018
- IV. **Comparative Analysis of IoT Communication Protocols**  
Corak B. H. , YILDIRIM OKAY F., GÜZEL M., Murt S., Ozdemir S.  
International Symposium on Networks, Computers and Communications (ISNCC), Rome, Italy, 19 - 21 June 2018
- V. **A Fog Computing Based Smart Grid Model**  
YILDIRIM OKAY F., Ozdemir S.  
International Symposium on Networks, Computers and Communications (ISNCC), Hammamet, Tunisia, 11 - 13 May 2016
- VI. **Dimensionality reduction with PCA in block based DCT domain**  
GÜZEL TURHAN C., YILDIRIM OKAY F., YILDIZ O., BİLGE H. Ş.  
International Conference on Advanced Technology & Sciences (ICAT'14), Antalya, Turkey, 12 - 15 August 2014, pp.216-220
- VII. **Kablosuz Algılayıcı Ağlarda Güvenli Yönlendirme Protokolleri Üzerine Bir İnceleme**  
Yıldırım Okay F., Özdemir S., Sağıroğlu Ş.  
7th International Conference on Information Security and Cryptology, İstanbul, Turkey, 14 - 16 January 2014
- VIII. **Multi objective evolutionary algorithm based on decomposition for efficient coverage control in mobile sensor networks**  
Ali Attea B., Yıldırım Okay F., Özdemir S., Akcayol M. A.  
2012 6th International Conference on Application of Information and Communication Technologies (AICT), Tbilisi, Georgia, 17 - 19 October 2012

**IX. Kablosuz Algılayıcı Ağlarda Güvenli Ortam Erişim Protokolleri**

Yıldırım Okay F., Özdemir S.

International Conference on Information Security & Cryptology (ISCTURKEY), Ankara, Turkey, 5 - 08 June 2012,  
pp.1-7

**Citations**

Total Citations (WOS):77

h-index (WOS):4