

## Res. Asst. METEHAN GÜZEL

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), Turkey 2016 - 2019

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), Turkey 2013 - 2016

Undergraduate, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2008 - 2012

### Dissertations

Postgraduate, Çok yüksek çözünürlüklü kamera donanımı ve paralel görsel veritabanı, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), 2016

### Academic Titles / Tasks

Research Assistant, Kafkas University, Faculty Of Engineering-Architecture, Department Of Computer Engineering, 2013 - Continues

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

- I. **QoS-aware IoT networks and protocols: A comprehensive survey**  
DİLEK S., İrgan K., GÜZEL M., ÖZDEMİR S., BAYDERE Ş., Charnsripinyo C.  
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, vol.35, no.10, 2022 (SCI-Expanded)
- II. **Fair and energy-aware IoT service composition under QoS constraints**  
GÜZEL M., ÖZDEMİR S.  
JOURNAL OF SUPERCOMPUTING, vol.78, no.11, pp.13427-13454, 2022 (SCI-Expanded)
- III. **Priority Enabled Content Based Forwarding in Fog Computing via SDN**  
İNAĞ Y., GÜZEL M., YILDIRIM OKAY F., DEMİRCİ M., ÖZDEMİR S.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, pp.1-21, 2022 (SCI-Expanded)
- IV. **Priority enabled content based forwarding in fog computing via SDN**  
İNAĞ Y., GÜZEL M., Okay F. Y., DEMİRCİ M., ÖZDEMİR S.  
Turkish Journal of Electrical Engineering and Computer Sciences, vol.30, no.4, pp.1439-1459, 2022 (SCI-Expanded)
- V. **ANFIS and Deep Learning based missing sensor data prediction in IoT**  
GÜZEL M., KÖK İ., AKAY D., Ozdemir S.  
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.32, no.2, 2020 (SCI-Expanded)

## Books & Book Chapters

### I. Recent trends in air quality prediction: An artificial intelligence perspective

KÖK İ., GÜZEL M., ÖZDEMİR S.

in: Intelligent Environmental Data Monitoring for Pollution Management, Siddhartha Bhattacharyya, Naba Kumar Mondal, Jan Platos, Václav Snášel, Pavel Krömer, Editor, Elsevier-Academic Press, Londrina, pp.195-221, 2021

## Refereed Congress / Symposium Publications in Proceedings

### I. A New CEP based Air Quality Prediction for Fog based IoT

GÜZEL M., ÖZDEMİR S.

2019 International Symposium on Networks, Computers and Communications (ISNCC), İstanbul, Turkey, 18 - 20 June 2019

### II. A New CEP-based Air Quality Prediction Framework for Fog based IoT

GÜZEL M., Ozdemir S.

International Symposium on Networks, Computers and Communications (ISNCC), İstanbul, Turkey, 18 - 20 June 2019

### III. SMOTE and Gaussian Noise Based Sensor Data Augmentation

Arslan M., Güzel M., Demirci M., Özdemir S.

4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, 11 - 15 September 2019, pp.458-462

### IV. QoS Prediction Methods in IoT A Survey

Bagiroz B., GÜZEL M., YAVANOĞLU U., Ozdemir S.

IEEE International Conference on Big Data (Big Data), Los-Angeles, Chile, 9 - 12 December 2019, pp.2128-2133

### V. 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

### VI. Multi Sensor Based Indoor Positioning

Uyar C., Dervisoglu I., GÜZEL M., Ozdemir S.

2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 October 2017, pp.104-109

### VII. A Survey of Insect Eye Inspired Visual Sensors

GÜZEL M., ÜNAL M.

9th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 26 - 28 November 2015, pp.139-142

## Metrics

Publication: 14

Citation (WoS): 51

Citation (Scopus): 99

H-Index (WoS): 2

H-Index (Scopus): 3