

## Res. Asst. BURAK KÜRŞAT GÜL

### Personal Information

**Office Phone:** [+90 352 207 6666](tel:+903522076666) Extension: 32209

**Email:** burak.gul@erciyes.edu.tr

**Web:** <https://avesis.erciyes.edu.tr/burak.gul>

### International Researcher IDs

ORCID: 0000-0002-0906-7768

Yoksis Researcher ID: 48024

### Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Elektrik - Elektronik Mühendisliği, Turkey 2017 - Continues

Postgraduate, Ondokuz Mayıs University, Institute Of Science, Elektrik - Elektronik Mühendisliği, Turkey 2014 - 2017

Undergraduate, Uludağ Üniversitesi, Mühendislik Fakültesi, Elektronik Mühendisliği, Turkey 2007 - 2012

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

- I. **Optimization of Spectral and Energy Efficiencies Trade-Off Using Multi-objective Forest Optimization Algorithm in Massive MIMO Systems**  
GÜL B. K., TAŞPINAR N.  
Wireless Personal Communications, vol.137, no.1, pp.399-414, 2024 (SCI-Expanded)
- II. **Pilot Tones Design for Channel Estimation Using Elephant Herding Optimization Algorithm in Massive MIMO Systems**  
TAŞPINAR N., Ergec A., Gul B. K.  
WIRELESS PERSONAL COMMUNICATIONS, vol.133, no.3, pp.1917-1934, 2023 (SCI-Expanded)
- III. **Spectral and energy efficiency trade-off in massive MIMO systems using multi-objective bat algorithm**  
GÜL B. K., TAŞPINAR N.  
JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS, vol.73, no.2, pp.132-139, 2022 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Measurement and Evaluation of Electromagnetic Pollution in Ondokuz Mayıs University Kurupelit Campus in Samsun**  
GÜL B. K., KURNAZ Ç., KORUNUR ENGİZ B.  
International Journal of Advances in Electronics Engineering, vol.6, no.1, 2016 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Application of Multi-objective Artificial Bee Colony Algorithm to Spectral and Energy Efficiencies Trade-off in Massive MIMO Systems**  
Gül B. K., Taşpınar N.

14 th INTERNATIONAL CONFERENCE on ELECTRONICS, COMPUTERS and ARTIFICIAL INTELLIGENCE (ECAI 2022), Ploiesti, Romania, 30 June - 01 July 2022, pp.390-395

**II. Usage of Intelligent Optimization Techniques for Estimation of Pareto Optimal Front of Spectral Efficiency-Energy Efficiency Trade-off in Massive MIMO Systems**

Gül B. K., Taşpınar N.

The Palestinian International Conference on Information and Communication Technology (PICICT 2021) , 28 - 29 September 2021

**III. INVESTIGATION OF EFFECT OF THE PILOT REUSE FACTOR VIA INTELLIGENT OPTIMIZATIONS ON ENERGY AND SPECTRAL EFFICIENCIES TRADE-OFF IN MASSIVE MIMO SYSTEMS**

Gül B. K., Taşpınar N.

15th International Conference ETAI 2021, Skopje, Macedonia, 23 - 24 September 2021

**IV. İris Analizi ile Kandaki Yüksek Kolesterolün Belirlenmesi**

GÜL B. K., KURNAZ Ç.

20. Biyomedikal Mühendisliği Ulusal Toplantısı (BİYOMUT 2016), İzmir, Turkey, 3 - 05 November 2016

**V. İris Tanıma Sistem Başarımına Kodlama ve Gürültünün Etkisi**

GÜL B. K., KURNAZ Ç.

24. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU2016), Zonguldak, Turkey, 16 - 19 May 2016

**VI. Measurement and Evaluation of Electromagnetic Pollution in Ondokuz Mayıs University Kurupelit Campus in Samsun Turkey**

GÜL B. K., KURNAZ Ç., KORUNUR ENGİZ B.

The Third International Conference on Advances in Information Processing and Communication Technology, Rome, Italy, Roma, Italy, 10 - 11 December 2015, vol.6, pp.117-121

**VII. Samsun İlkadım İlçesindeki Elektromanyetik Kirliliğin Ölçülmesi ve Değerlendirilmesi**

GÜL B. K., KURNAZ Ç.

Elektromanyetik Alanlar ve Etkileri (EMANET 2015) Sempozyumu, Mersin, Turkey, 13 - 15 November 2015

## **Metrics**

Publication: 14

Citation (Scopus): 2

H-Index (Scopus): 1