

## Lect. VOLKAN GANGAL

### Personal Information

Office Phone: [+90 462 377 7551](tel:+904623777551)

Email: [volkan.gangal@ktu.edu.tr](mailto:volkan.gangal@ktu.edu.tr)

Web: <https://avesis.ktu.edu.tr//volkan.gangal>

### International Researcher IDs

ScholarID: rdS-eDYAAAAJ

ORCID: 0000-0002-9854-5038

ScopusID: 56780141700

Yoksis Researcher ID: 207009

### Education Information

Doctorate, Karadeniz Technical University, -, Elektrik-Elektronik Mühendisliği, Turkey 2015 - Continues

Postgraduate, Karadeniz Technical University, -, Elektrik-Elektronik Mühendisliği, Turkey 2012 - 2015

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, Turkey 2008 - 2012

### Dissertations

Postgraduate, Kablosuz Algılayıcı Ağlarda Karınca Koloni Algoritmaları ile Enerji Etkin Rotalamanın İncelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Elektrik Elektronik Mühendisliği, 2015

### Research Areas

Wireless Communication, Telecommunication Applications, Communications and Network Protocols

### Academic Titles / Tasks

Lecturer, Karadeniz Technical University, Trabzon Meslek Yüksekokulu, Elektronik ve Otomasyon, 2019 - Continues

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 2014 - 2019

### Academic and Administrative Experience

Deputy Head of Department, Karadeniz Technical University, Trabzon Meslek Yüksekokulu, Elektronik ve Otomasyon, 2021 - 2021

### Courses

TELT1000 AC circuit analysis, Associate Degree, 2022 - 2023

TELT1008 Vocational Mathematics II, Associate Degree, 2022 - 2023

BMCT2004 Radiotherapy Equipments, Associate Degree, 2022 - 2023

TELT1001 DC Circuit Analysis, Associate Degree, 2022 - 2023

TELT1007 Vocational Mathematics I, Associate Degree, 2022 - 2023

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

### I. A Distributed Leach-AHP Routing for Wireless Sensor Networks

Gangal V., Cinemre I., Hacıoğlu G.

IEEE ACCESS, vol.12, pp.19307-19319, 2024 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

### I. Leach and AHP Based Clustering Algorithm For Wireless Sensor Networks

HACIOĞLU G., SESLİ E., GANGAL V., AYDIN V.

5th International Conference on Advanced Technology & Sciences (ICAT'17), İstanbul, Turkey, 9 - 12 May 2017, pp.591-594

### II. Ant Colony Based Dynamic Navigation for Trabzon City

GANGAL V., HACIOĞLU G.

International Conference on Advanced Technology & Sciences (ICAT), Konya, Turkey, 1 - 03 September 2016, vol.1, pp.421-423

### III. Performance Analysis of Positioning Based Velocity Estimation Methods for Vehicles in ITS

SESLİ E., HACIOĞLU G., GANGAL V.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.1598-1601

### IV. Energy Efficient Multihop Routing in Wireless Sensor Networks Based on Ant Colony Algorithm

GANGAL V., HACIOĞLU G., SESLİ E.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.1877-1880

## Metrics

Publication: 7

Citation (WoS): 2

Citation (Scopus): 3

H-Index (WoS): 1

H-Index (Scopus): 1

## Congress and Symposium Activities

3rd International Conference on Advanced Technology & Sciences (ICAT'16), Attendee, Konya, Turkey, 2016

IEEE 23. Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU 2015), Attendee, Malatya, Turkey, 2015

IEEE 22. Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU 2014), Attendee, Trabzon, Turkey, 2014