

## Asst. Prof. İHSAN KANBAZ



### Personal Information

**Office Phone:** [+90 312 582 0000](tel:+903125820000) Extension: 4304

**Email:** [ihsankanbaz@gazi.edu.tr](mailto:ihsankanbaz@gazi.edu.tr)

**Web:** <https://avesis.gazi.edu.tr/ihsankanbaz>

### International Researcher IDs

ScholarID: ypzvs6wAAAAJ

ORCID: 0000-0002-0333-7464

Yoksis Researcher ID: 265810



### Education Information

Post Doctorate, The Queen's University of Belfast, England 2023 - Continues

Doctorate, Gazi University, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği,  
Turkey 2018 - 2022

### Foreign Languages

English, C1 Advanced

### Research Areas

Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Gazi University, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, 2017 - Continues

Research Assistant, Gazi University, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, 2018 - 2023

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

- I. **A new method on pattern correction in broadside planar frequency diverse arrays Enine ışılan düzlemsel ayırık frekanslı dizi antenlerde örüntü düzeltmede yeni bir yöntem**  
Günay M. E., KANBAZ İ., AKSOY E.  
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.39, no.4, pp.2253-2262, 2024 (SCI-Expanded)
- II. **Design and analysis of novel DGS-loaded low-pass filter with wide stopband**  
Arıcan G. O., KANBAZ İ., Noamadeh Z., AKSOY E.  
Frequenz, vol.77, no.7-8, pp.357-364, 2023 (SCI-Expanded)
- III. **On the Sideband Harmonics in Pulsed Frequency Diverse Arrays**  
KANBAZ İ., Yesilyurt U., Arıcan G. O., AKSOY E., Matthaïou M.

IEEE ACCESS, vol.11, pp.144435-144445, 2023 (SCI-Expanded)

- IV. **Power losses and efficiency analysis of non-uniform time modulated arrays over a ground plane**  
YEŞİLYURT U., KANBAZ İ., AKSOY E.  
AEU - International Journal of Electronics and Communications, vol.146, 2022 (SCI-Expanded)
- V. **Effect of Ground Plane on Power Losses and Efficiency for Uniform Period Time Modulated Arrays**  
YEŞİLYURT U., KANBAZ İ., AKSOY E.  
IEEE SENSORS JOURNAL, vol.22, no.4, pp.3637-3647, 2022 (SCI-Expanded)
- VI. **A Noniterative Convolved Harmonic Beamforming Technique in Time Modulated Arrays**  
YEŞİLYURT U., KANBAZ İ., Kuzu S., AKSOY E.  
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol.69, no.2, pp.795-805, 2021 (SCI-Expanded)
- VII. **Total Harmonic Power of Arbitrarily Switched Nonuniform Period Time-Modulated Arrays**  
KANBAZ İ., YEŞİLYURT U., Kuzu S., AKSOY E.  
IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, vol.19, no.1, pp.193-197, 2020 (SCI-Expanded)
- VIII. **A multibeam subarrayed time-modulated linear array**  
YEŞİLYURT U., KANBAZ İ., AKSOY E.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.28, no.2, pp.784-798, 2020 (SCI-Expanded)
- IX. **A Study on Harmonic Power Calculation for Nonuniform Period Linear Time Modulated Arrays**  
KANBAZ İ., YEŞİLYURT U., AKSOY E.  
IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, vol.17, no.12, pp.2369-2373, 2018 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Beam-Steering in Super-Directive Antenna Arrays Using Loaded Parasitic Elements**  
Kanbaz I., Mohammadi M., Yurduseven O., Matthaïou M.  
19th International Symposium on Wireless Communication Systems, ISWCS 2024, Rio de Janeiro, Brazil, 14 - 17 July 2024
- II. **Super-Directive Antenna Arrays: How Many Elements Do We Need?**  
Kanbaz I., Yurduseven O., Matthaïou M.  
25th IEEE Wireless Communications and Networking Conference, WCNC 2024, Dubai, United Arab Emirates, 21 - 24 April 2024
- III. **Optimization of Super-Directive Linear Arrays with Differential Evolution for High Realized Gain**  
Kanbaz I., Yurduseven O., Matthaïou M.  
18th European Conference on Antennas and Propagation, EuCAP 2024, Glasgow, England, 17 - 22 March 2024
- IV. **An Effective Pattern Correction Method for Conformal Frequency Diverse Arrays**  
Gunay M. E., Kanbaz İ., Aksoy E.  
2022 Workshop on Microwave Theory and Techniques in Wireless Communications (MTTW), Riga, Latvia, 5 - 07 October 2022, pp.134-137
- V. **Generation of Orbital Angular Momentum Vortex Beam Based on Reflectarray Antenna for Microwave Applications**  
Noamadeh Z., Kanbaz İ., Aksoy E.  
2022 30th Signal Processing and Communications Applications Conference (SIU), Karabük, Turkey, 15 May - 18 September 2022, pp.1-5
- VI. **An Optimization Approach to Synthesis of the Isoflux Pattern for GEO/MEO Satellites using Time Modulated Antenna Arrays**  
Kanbaz İ., Noamadeh Z., Aksoy E.  
2022 30th Signal Processing and Communications Applications Conference (SIU), Karabük, Turkey, 15 - 18 May 2022, pp.1-5
- VII. **Range-Angle Dependent Radiation by Using Non-uniform Period Time Modulated Arrays**  
KANBAZ İ., YEŞİLYURT U., AKSOY E.

IEEE Microwave Theory and Techniques in Wireless Communications (MTTW' 2021), Riga, Latvia, 7 - 08 October 2021

- VIII. **Zaman Modülasyonlu Dizilerde Değişen Genlikli Darbe Anahtarlama Kullanarak Örüntü Sentezi**  
KANBAZ İ., YEŞİLYURT U., KUZU S., AKSOY E.  
2. Ulusal Mühendislikte Bilimsel ve Mesleki Çalışmalar Kongresi, Ankara, Turkey, 7 - 10 November 2019
- IX. **Zaman Modülasyonlu Dizilerde Hüzme Yönlendirme Üzerine Bir Çalışma**  
YEŞİLYURT U., KANBAZ İ., KUZU S., AKSOY E.  
2. Ulusal Mühendislikte Bilimsel ve Mesleki Çalışmalar Kongresi, Turkey, 7 - 10 November 2019
- X. **Multi-channel Thinned Array with the Sinusoidal Excitation Waveform**  
YEŞİLYURT U., KANBAZ İ., KIVU S., AKSOY E.  
11th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 - 30 November 2019, pp.655-658
- XI. **Optimization of Time Modulated Arrays Through Switching Frequency**  
KANBAZ İ., YEŞİLYURT U., KUZU S., AKSOY E.  
11th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 - 30 November 2019, pp.664-668
- XII. **Tekdüze Olmayan Zaman Modülasyonlu Doğrusal Dizi Anten Sistemlerinde Güç Hesabı Üzerine Bir Çalışma**  
KANBAZ İ., YEŞİLYURT U., AKSOY E.  
9. URSI-Türkiye Kongresi (URSI'2018), Turkey, 6 - 08 September 2018
- XIII. **Tekdüze Olmayan Zaman Modülasyonlu Doğrusal Dizi Anten Sistemlerinde Dinamik Verimliliğin Hesaplanması Üzerine Bir Çalışma**  
KANBAZ İ., YEŞİLYURT U., AKSOY E.  
9. URSI-Türkiye Kongresi (URSI'2018), Turkey, 6 - 08 September 2018
- XIV. **Zaman Modülasyonlu Doğrusal Dizilerde Yan Kulakçık ve Yanbant Seviyelerinin Bastırılması İçin İki Aşamalı Bir Eniyileme Yaklaşımı**  
YEŞİLYURT U., KANBAZ İ., AKSOY E.  
9. URSI-Türkiye Kongresi (URSI'2018), Turkey, 6 - 08 September 2018
- XV. **A New Approach for Harmonic Power Calculation of Nonuniform Time Modulated Arrays**  
KANBAZ İ., YEŞİLYURT U., AKSOY E.  
International Symposium on Fundamentals of Electrical Engineering (ISFEE), Bucharest, Romania, 1 - 03 November 2018
- XVI. **A Two-Stage Optimization Approach to Suppression of Side Lobe and Sideband Levels in Time-Modulated Linear Arrays**  
YEŞİLYURT U., KANBAZ İ., AKSOY E.  
International Symposium on Fundamentals of Electrical Engineering (ISFEE), Bucharest, Romania, 1 - 03 November 2018

## Metrics

Publication: 25

Citation (WoS): 45

Citation (Scopus): 60

H-Index (WoS): 3

H-Index (Scopus): 4

## Non Academic Experience

Quenn's University Belfast