

## Arş. Gör. HANDE İBİLİ

### Kişisel Bilgiler

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### Eğitim Bilgileri

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Ve Elektronik Mühendisliği (YI) (Tezli), Türkiye 2016 - Devam Ediyor

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye 2011 - 2018

### Araştırma Alanları

Elektromanyetik Dalgalar, Antenler ve Propagasyon

### Akademik Unvanlar / Görevler

Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2017 - Devam Ediyor

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Computational design of nanoantennas with improved power enhancement capabilities via shape optimization**  
Işıklar G., Yazar Ş., İbili H., Onay G., El Ahdab Z., Ergül Ö.  
Optical Engineering, cilt.62, sa.1, 2023 (SCI-Expanded)
- II. **A novel surface-integral-equation formulation for efficient and accurate electromagnetic analysis of near-zero-index structures**  
İBİLİ H., Koyaz Y., Ozmu U., Karaosmanoglu B., ERGÜL Ö. S.  
JOURNAL OF OPTICS, cilt.24, sa.3, 2022 (SCI-Expanded)
- III. **Demonstration of negative refractive index with low-cost inkjet-printed microwave metamaterials**  
İBİLİ H., Karaosmanoglu B., Ergül Ö.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.60, sa.1, ss.187-191, 2018 (SCI-Expanded)

### Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Realization of Multiband Microwave Metamaterials Fabricated via Low-Cost Inkjet Printing**  
İBİLİ H., KELES S., ERIS O., ERGÜL Ö. S.  
European Microwave Conf. in Central Europe (EuMCE), 13 - 15 Mayıs 2019
- II. **Inkjet-printed frequency-selective structures based on improved arrangements of U-shaped resonators**

ERIS O., İBİLİ H., ERGÜL Ö. S.

European Microwave Conf. in Central Europe(EuMCE), 13 - 15 Mayıs 2019

- III. **Fast and accurate analysis of three-dimensional structures involving near-zero-index materials**  
Karaosmanoglu B., Koyaz Y., İbili H., Ergul Ö. S.  
21st International Conference on Electromagnetics in Advanced Applications, ICEAA 2019, Granada, İspanya, 9 - 13 Eylül 2019, ss.1019-1024
- IV. **Multiband Microwave Metamaterials Based on Optimized Arrangements of Split-Ring Resonators**  
İBİLİ H., KELES S., ERGÜL Ö. S.  
Photonics and Electromagnetics Research Symposium, 17 - 21 Haziran 2019
- V. **Inkjet-printed frequency-selective structures based on improved arrangements of u-shaped resonators**  
Eris O., İBİLİ H., Ergul Ö. S.  
2019 European Microwave Conference in Central Europe, EuMCE 2019, Prague, Çek Cumhuriyeti, 13 - 15 Mayıs 2019, ss.39-42
- VI. **Realization of multiband microwave metamaterials fabricated via low-cost inkjet printing**  
İBİLİ H., Keles S., Eris O., Ergul Ö. S.  
2019 European Microwave Conference in Central Europe, EuMCE 2019, Prague, Çek Cumhuriyeti, 13 - 15 Mayıs 2019, ss.35-38
- VII. **Double-layer modeling to overcome internal resonance problem of MFIE**  
İbili H., Ergül Ö. S.  
2018 Progress in Electromagnetics Research Symposium (PIERS-Toyama), Toyama, Japonya, 1 - 04 Ağustos 2018
- VIII. **Analysis of Composite Structures Involving Near-Zero-Index Materials**  
Koyaz Y., İBİLİ H., Karaosmanoglu B., Ergul O.  
IEEE International Conference on Microwaves, Antennas, Communications and Electronic Systems (COMCAS), Tel-Aviv-Yafo, İsrail, 4 - 06 Kasım 2019
- IX. **MFIE-Based Formulation Using Double-Layer Modeling for Perfectly Conducting Objects**  
Guler S., İBİLİ H., Ergul O.  
IEEE International Conference on Microwaves, Antennas, Communications and Electronic Systems (COMCAS), Tel-Aviv-Yafo, İsrail, 4 - 06 Kasım 2019
- X. **Homogenization of Microwave Metamaterial Structures Using Full-Wave Solutions and Genetic Algorithms**  
İBİLİ H., Karaosmanoglu B., ERGÜL Ö. S.  
18th Mediterranean Microwave Symposium (MMS), İstanbul, Türkiye, 31 Ekim - 02 Kasım 2018, ss.244-246
- XI. **Penetrable Numerical Modeling of Metallic Nanoparticles at Terahertz Frequencies**  
İBİLİ H., Guler S., Karaosmanoglu B., ERGÜL Ö. S.  
Progress in Electromagnetics Research Symposium (PIERS-Toyama), Toyama, Japonya, 1 - 04 Ağustos 2018, ss.2273-2279
- XII. **Mitigating internal resonances of the magnetic-field integral equation via double-layer modeling**  
Güler S., İBİLİ H., Ergül Ö. S.  
12th European Conference on Antennas and Propagation, EuCAP 2018, London, Birleşik Krallık, 9 - 13 Nisan 2018, cilt.2018
- XIII. **Design and Fabrication of Low-Cost Inkjet-Printed Metamaterials**  
İBİLİ H., Karaosmanoglu B., ERGÜL Ö. S.  
4th International Electromagnetic Compatibility Conference (EMC Türkiye), Ankara, Türkiye, 24 - 27 Eylül 2017
- XIV. **Very Low-Cost Inkjet-Printed Metamaterials: Progress and Challenges**  
İBİLİ H., ERGÜL Ö. S.  
IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes for RF and THz Applications (IMWS-AMP), Pavia, İtalya, 20 - 22 Eylül 2017
- XV. **Inkjet-Printed Pixel Antennas with Hexagonal Cells**  
Karaosmanoglu B., Guler S., İBİLİ H., Ergul O.  
11th European Conference on Antennas and Propagation (EUCAP), Paris, Fransa, 19 - 24 Mart 2017, ss.2013-2016

## **Metrikler**

Yayın: 18

Atf (WoS): 12

Atf (Scopus): 11

H-İndeks (WoS): 2

H-İndeks (Scopus): 2

## **Ödüller**

İbili H., Yarman Carlin Award First Prize, 18Th Mediterranean Microwave Symposium, Kasım 2018