

## Asst. Prof. ESİN KARPAT

### Personal Information

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**Address:** Bursa Uludağ Üniversitesi Mühendislik Fakültesi Elektrik-Elektronik Müh. böl.

### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAH-3387-2021

Yoksis Researcher ID: 156566

### Education Information

Doctorate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Elektronik Mühendisliği (Dr), Turkey 2002 - 2009

Postgraduate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Elektronik Mühendisliği (YI) (Tezli), Turkey 2000 - 2002

Undergraduate, Bursa Uludağ University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1992 - 1996

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Measurement and Evaluation, Eğitimde İnovasyon ve Etkileşim, Bursa Uludağ Üniversitesi, 2020

### Research Areas

Electric and Magnetic Fields, Electromagnetic Environment and Interaction, Electromagnetic Waves, Antennas and Propagation

### Academic Titles / Tasks

Assistant Professor, Bursa Uludağ University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2013 - Continues

Research Assistant, Bursa Uludağ University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2000 - 2013

### Academic and Administrative Experience

Bursa Uludağ University, Mühendislik Fakültesi, 2014 - Continues

## Courses

Electromagnetic Field Theory, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Electromagnetic Wave Propagation, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Electromagnetic Wave Propagation, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Numerical Analysis, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Electromagnetic Field Theory, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

## Advising Theses

KARPAT E., Design and performance optimisation of microstrip antennas, Postgraduate, F.İmamoğlu(Student), 2019

KARPAT E., Analysis of the effect of radiofrequency bands on electromagnetic field pollution in the Bursa Uludağ University central campus, Postgraduate, M.Mohamedosman(Student), 2019

KARPAT E., Electromagnetic pollution mapping of Bursa Uludağ University Engineering Faculty buildings, Postgraduate, B.Çelik(Student), 2019

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

### I. CLEAN Technique to Classify and Detect Objects in Subsurface Imaging

Karpat E.

INTERNATIONAL JOURNAL OF ANTENNAS AND PROPAGATION, vol.2012, 2012 (SCI-Expanded)

### II. SUBSURFACE IMAGING, FDTD-BASED SIMULATIONS AND ALTERNATIVE SCAN/PROCESSING APPROACHES

Karpat E., ÇAKIR M., Sevgi L.

MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.51, no.4, pp.1070-1075, 2009 (SCI-Expanded)

## Articles Published in Other Journals

### I. Fault Classification of Wind Turbine Gearbox Bearings Based on Convolutional Neural Networks

KARPAT F., Kalay O. C. , DİRİK A. E. , KARPAT E.

Transdisciplinary Journal of Engineering and Science, vol.13, pp.71-83, 2022 (Scopus)

### II. Subsurface Imaging Analysis For Multiple Dielectric Objects Buried Under Homogenous Ground

Karpat E.

International Journal of Advances in Engineering and Technology, vol.6, no.1, pp.12-20, 2013 (Peer-Reviewed Journal)

### III. A Two Dimensional FDTD-Based Subsurface Imaging Simulation Tool

Karpat E., Sevgi L.

Uludağ University Journal of The Faculty of Engineering, vol.16, pp.200-210, 2011 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

### I. Electromagnetic Compatibility (EMC) in Wind Turbines

Karpat E., Karpat F.

IIER International Conference , Barcelona, Spain, 13 April 2016, pp.3-6

### II. Subsurface Imaging of Dielectric Objects Buried under Rough Surface

Karpat E.

2nd International Conference on Research in Science Engineering and Technology (ICRSET'2014)), Dubai, United Arab Emirates, 21 - 22 March 2014, pp.133-136

## **Scientific Refereeing**

ULUDAĞ ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ DERGİSİ, National Scientific Refreed Journal, February 2020

COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, SCI Journal, April 2019

COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, SCI Journal, March 2019

COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, SCI Journal, December 2018

## **Metrics**

Publication: 20

Citation (WoS): 9

Citation (Scopus): 11

H-Index (WoS): 2

H-Index (Scopus): 2