

**Res. Asst. EZEL YAĞMUR ZEYDAN
ÇELEN**



Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: KSL-6249-2024

ScopusID: 57221913874

Yoksis Researcher ID: 281080



Education Information

Doctorate, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ, Turkey 2021 - Continues

Postgraduate, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ, Turkey 2017 - 2021

Undergraduate, Anadolu University, Faculty Of Economics, Department Of Public Administration, Turkey 2012 - 2017

Undergraduate, Sakarya University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 2012 - 2016

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Sensor design base on slow light in photonic crystals, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ, 2020

Research Areas

Sensing Devices and Transducers, Electronic Circuits, Optics and Photonics, Electric and Magnetic Fields, Electromagnetic Band Spacing Structures, Photonic Band Spacing Structures

Academic Titles / Tasks

Research Assistant, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ, 2018 - Continues

Courses

Elektronik Devreleri Laboratuvarı II, Undergraduate, 2020 - 2021

Elektronik Devreleri Laboratuvarı I, Undergraduate, 2020 - 2021

ELEKTRİK-ELEKTRONİK MÜHENDİSLERİ için BİLGİSAYAR ARAÇLARI, Undergraduate, 2018 - 2019

Elektrik Devreleri Laboratuvarı I, Undergraduate, 2019 - 2020

ELEKTRİK ve ELEKTRONİK MÜHENDİSLERİ için ALGORİTMA VE PROGRAMLAMA, Undergraduate, 2018 - 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **Deep Learning-Based Prediction of Band Diagrams and Mode Dispersion in Photonic Crystal Waveguides**
Zeydan Çelen E. Y., Karlık S. E.
2024 IEEE INC-USNC-URSI Radio Science Meeting (Joint with AP-S Symposium), Florence, Italy, 14 - 19 July 2024, pp.87
- II. **Parameter Estimation in Photonic Crystal Design Using Machine Learning Methods**
Zeydan Çelen E. Y., Karlık S. E.
MadeAI 2024 - Modelling, Data Analytics and AI in Engineering, Porto, Portugal, 2 - 05 July 2024, pp.1-2
- III. **Design of Classification-based Photonic Crystal Sensor for Chemical Substance Detection**
Zeydan Çelen E. Y., Karlık S. E.
Machine Learning in Photonics 2024, Strasbourg, France, 8 - 12 April 2024, vol.13017
- IV. **Slow Light Based Photonic Crystal Sensors**
Zeydan E. Y., Keskinden S., Aydınli A.
IOCENS21, Gümüşhane, Turkey, 5 - 07 July 2021, pp.82
- V. **Photonic crystal based sensor design Fotonik Kristal Temelli Sensör Tasarımı**
ZEYDAN E. Y., Keskinden S., AYDINLI A.
12th International Conference on Electrical and Electronics Engineering, ELECO 2020, Bursa, Turkey, 26 - 28 November 2020, pp.131-135

Activities in Scientific Journals

Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, Assistant Editor/Section Editor, 2018 - Continues

Mobility Activity

Bilateral Colloboration Agreement, Get Education, Leopold Franzens Universitaet Innsbruck, Austria, 2024 - 2024

Bilateral Colloboration Agreement, Get Education, Leopold Franzens Universitaet Innsbruck, Austria, 2023 - 2024

Metrics

Publication: 5

Scholarships

2224-A Yurt Dışı Bilimsel Etkinliklere Katılımı Destekleme Programı, TÜBİTAK, 2024 - 2024

Secondos Scholarship, University, 2023 - 2024