

**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. **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.237-238
- II. **Deep Learning-Based Prediction of Band Diagrams and Mode Dispersion in Photonic Crystal Waveguides**  
Celen E. Y., KARLIK S. E.  
IEEE ITNC-USNC-URSI Radio Science Meeting / IEEE International Symposium on Antennas and Propagation (AP-S), Florence, Italy, 14 - 19 July 2024, pp.87
- III. **Design of Classification-based Photonic Crystal Sensor for Chemical Substance Detection**  
Zeydan Çelen E. Y., Karlık S. E.  
Conference on Machine Learning in Photonics, Strasbourg, France, 8 - 12 April 2024
- 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

## Congress and Symposium Activities

Fusion Reactions at Low Energies and Technological Applications (TBAE FRLE'23), Audience, Kocaeli, Turkey, 2024

## Scholarships

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

Secondos Scholarship, University, 2023 - 2024