

Res. Asst. KÜBRA KILINÇARSLAN

Personal Information

Office Phone: [+90 224 275 5269](tel:+902242755269)

Email: kubrakilincarslan@uludag.edu.tr

Web: <https://avesis.uludag.edu.tr/kubrakilincarslan>

International Researcher IDs

ScholarID: d7-U5R8AAAAJ

ORCID: 0000-0003-4124-9921

Publons / Web Of Science ResearcherID: AAH-4170-2021

ScopusID: 57467444300

Yoksis Researcher ID: 308043

Education Information

Doctorate, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ, Turkey 2022 - Continues

Postgraduate, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ, Turkey 2019 - 2022

Undergraduate, Selcuk University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 2014 - 2018

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, MODELING AND SIMULATION OF THE COMBINED EFFECT OF SRS, FWM AND ASE NOISE IN DWDM/UDWDM LONG HAUL COMMUNICATION SYSTEMS USING EDFAs, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Electronic Engineering, 2022

Research Areas

Optics and Photonics

Academic Titles / Tasks

Research Assistant, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Combined impact of SRS, FWM and ASE noise in UDWDM/DWDM long-haul communication systems using EDFAs**
Kılınçarslan K., KARLIK S. E.
OPTICS AND LASER TECHNOLOGY, vol.157, 2023 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Prediction of OSNR in a 7-Channel DWDM/UDWDM Transmission System under the Combined Effects of FWM, SRS and ASE**
Kılınçarslan K., Karlık S. E.
32. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU'2024), Mersin, Turkey, 15 - 18 May 2024, pp.1-4
- II. **NZDSF Optik İletim Ortamlı Uzak Mesafe DWDM Haberleşme Sisteminin SPM, XPM, FWM ve SRS Birleşik Etkisi Altındaki Performans Analizi**
Yıldırım A., Kılınçarslan K., Karlık S. E.
ELECO'2022 ELEKTRİK-ELEKTRONİK ve BİYOMEDİKAL MÜHENDİSLİĞİ KONFERANSI, Bursa, Turkey, 24 - 26 November 2022, pp.1-5
- III. **Analysis of the combined impact of SRS, FWM and ASE noise in multi-span UDWDM/DWDM long-haul communication systems using NZDSFs**
Kılınçarslan K., Karlık S. E.
ICONDATA'22 5th International Conference on Data Science and Applications, Muğla, Turkey, 7 - 11 September 2022, vol.1, pp.376-385
- IV. **Comparison of Single FWM Impact with Combined Impact of FWM and SRS on the Performance of Long-Haul DWDM/UDWDM Communication Systems Using SSMFs**
Kılınçarslan K., Karlık S. E.
ELECO2021 13th INTERNATIONAL CONFERENCE on ELECTRICAL and ELECTRONICS ENGINEERING, Bursa, Turkey, 25 - 27 November 2021, pp.475-479
- V. **Effects of Photon-Shot and Excess Noises on Detectable Minimum Rotation Rate in I-FOG Design for Autonomous Vehicles**
KILINÇARSLAN K., Sağ E., GÜNDAY A.
The International Conference on Advanced Engineering, Technology and Applications (ICAETA-2021), İstanbul, Turkey, 09 July 2021

Metrics

Publication: 6

Citation (WoS): 5

Citation (Scopus): 6

H-Index (WoS): 1

H-Index (Scopus): 1