

Res. Asst. Rukiye AKSAKAL

Personal Information

Email: rukiyeaksakal@atauni.edu.tr

Web: <https://avesis.atauni.edu.tr/rukiyeaksakal>

International Researcher IDs

ORCID: 0000-0002-2708-2937

Publons / Web Of Science ResearcherID: ABH-7342-2020

Yoksis Researcher ID: 331268

Education Information

Doctorate, Erzurum Technical University, Faculty Of Engineering-Architecture, Department Of Electrical And Electronics Engineering, Turkey 2019 - Continues

Postgraduate, Erzurum Technical University, Faculty Of Engineering-Architecture, Department Of Electrical And Electronics Engineering, Turkey 2017 - 2019

Undergraduate, Ataturk University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey 2012 - 2017

Dissertations

Postgraduate, 1550 nm dalgaboylu pasif mod kilitli bir yarıiletken lazerin modellenmesi ve incelenmesi, Erzurum Technical University, Institute Of Science, 2019

Research Areas

Electrical and Electronics Engineering, Electronic, Optics and Photonics

Academic Titles / Tasks

Research Assistant, Ataturk University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2020 - Continues

Academic and Administrative Experience

Internship Committee Member, Ataturk University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2023 - Continues

Internship Committee Member, Ataturk University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2022 - Continues

Internship Committee Member, Ataturk University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A comparative investigation of 980 nm GaAs and 1550 nm InP-based diode lasers**
Arslan K. O., AKSAKAL R., ÇAKMAK B.
LASER PHYSICS, vol.31, no.11, 2021 (SCI-Expanded)
- II. **Numerical investigation of 1550 nm passively mode-locked diode lasers with different gain and absorber configurations**
Aksakal R., Duman C., Cakmak B.
LASER PHYSICS, vol.30, 2020 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of Multisection Mode Locked 980 nm and 1550 nm Diode Lasers**
AKSAKAL R., ARSLAN K. Ö., ÇAKMAK B.
1 st International Conference on Advances in Engineering, Architecture, Science and Technology, Erzurum Technical University, December, Erzurum, Turkey, 15 - 17 December 2021, pp.75-81
- II. **Transient and Steady-State Modelling of AlGaInAs/InP Semiconductor Lasers At 1550 nm Wavelength**
Arslan K. Ö., Aksakal R., Çakmak B.
2. International Congress on Semiconductor Materials and Devices -ICSMD 2018, Ardahan, Turkey, 28 - 30 August 2018, pp.173-181

Supported Projects

Aksakal R., Çakmak B., TUBITAK Project, InP Tabanlı Pasif Mod Kilitli Çok Bölümlü Diyot Lazerlerin Tasarımı ve Üretimi, 2023 - 2024

Scientific Refereeing

ULUSLARARASI MÜHENDİSLİK ARAŞTIRMA VE GELİŞTİRME DERGİSİ, National Scientific Refreed Journal, March 2022

Metrics

Publication: 5

Citation (WoS): 2

Citation (Scopus): 1

H-Index (WoS): 1

H-Index (Scopus): 1

Congress and Symposium Activities

24. Ulusal Optik, Elektro-Optik ve Fotonik Çalıştayı , Attendee, İstanbul, Turkey, 2023

22nd National Optics, Electro-Optics and Photonics Workshop, Audience, Ankara, Turkey, 2021

2ND INTERNATIONAL CONFERENCE ON LIGHT AND LIGHT-BASED TECHNOLOGIES , Audience, Ankara, Turkey, 2021

Scholarships

2211-C Öncelikli Alanlara Yönelik Yurt İçi Doktora Burs Programı, TUBITAK, 2022 - Continues