

Personal Information

Email: gokseninkomurcu@istanbul.edu.tr

Web: <https://avesis.istanbul.edu.tr/gokseninkomurcu>

International Researcher IDs

ORCID: 0000-0002-0131-7603

Publons / Web Of Science ResearcherID: AAS-9504-2020

Yoksis Researcher ID: 316311

Education Information

Postgraduate, Istanbul University, Institute Of Graduate Studies In Sciences, Turkey 2019 - Continues

Undergraduate, Istanbul University, Faculty Of Science, Department Of Physics, Turkey 2013 - 2017

Research Areas

Natural Sciences

Academic Titles / Tasks

Research Assistant, Istanbul University, Faculty of Science, Department of Physics, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Enhancement of light emission characteristic of a GaAs-based Gunn light emitting diode with a quasi-cavity**
MUTLU S., KALYON G., SARCAN F., ERBAŞ Ö. G., EROL A.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.169, 2024 (SCI-Expanded)
- II. **InGaAs-based Gunn light emitting diode**
Kalyon G., Mutlu S., Kuruoğlu F., Pertikel İ., Demir İ., Erol A.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.159, 2023 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Gunn Oscillations in n-type InGaAs Epilayer Structures**
Kalyon G., Demir İ., Perkitel İ., Mutlu S., Erol A.
INTERNATIONAL GRADUATE RESEARCH SYMPOSIUM, 1 - 03 June 2022, pp.332
- II. **Gunn Effect in InGaAs Epilayer Structures**
Kalyon G., Mutlu S., Perkitel İ., Demir İ., Erol A.
16th NANOSCIENCE & NANOTECHNOLOGY CONFERENCE, Ankara, Turkey, 5 - 08 September 2022, pp.67
- III. **Fabrication and Characterisation of InGaAs Gunn Diode-Based Light Emitting Device**
Kalyon G., Mutlu S., Perkitel I., Demir İ., Erol A.

3rd International Eurasian Conference On Science, Engineering And Technology, Ankara, Turkey, 15 - 17 December 2021, pp.135

IV. Optical and electrical characterization of InGaAs epitaxial layers

Amını S. M., Kalyon G., Mutlu S., Perkitel I., Demir İ., Erol A.

3rd International Eurasian Conference On Science, Engineering And Technology, Ankara, Turkey, 15 - 17 December 2021, pp.137

Supported Projects

EROL A., KALYON G., Project Supported by Higher Education Institutions, InGaAs Gunn Diyodu Tabanlı Işık Yayan Aygıt Üretimi ve Karakterizasyonu, 2022 - Continues

DÖNMEZ Ö., EROL A., SARCAN F., KURUOĞLU F., MUTLU S., KALYON G., Project Supported by Higher Education Institutions, Nano ve Optoelektronik Araştırma Laboratuvarları Optoelektronik Aygıt Üretimi ve Karakterizasyonu Araştırma Altyapısının Sürekliliği ve Geliştirilmesi, 2022 - Continues

Sarcan F., Erol A., Kalyon G., Project Supported by Higher Education Institutions, 2B Yarıiletken TMD Malzemelerin Büyütme Sonrası Katkılanması ve pn eklem Optoelektronik Aygıt Uygulamaları, 2023 - 2025

Metrics

Publication: 6

Citation (WoS): 1

Citation (Scopus): 2

H-Index (WoS): 1

H-Index (Scopus): 1

Scholarships

2211-A Genel Yurt İçi Doktora Burs Programı , TUBITAK, 2023 - Continues