Asst. Prof. SİBEL GÖKÇE

Personal Information

Email: sibel.gokce@cbu.edu.tr
Web: https://avesis.mcbu.edu.tr/sibel.gokce

International Researcher IDs
ScholarID: omEio34AAAAJ
ORCID: 0000-0001-5924-5027
Publons / Web Of Science ResearcherID: AAY-3168-2020
ScopusID: 55696780400
Yoksis Researcher ID: 135047

Education

Undergraduate, Anadolu University, Açıköğretim Fakültesi, Turkey 2019 - 2023
Doctorate, Manisa Celal Bayar University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2012 - 2017
Postgraduate, Manisa Celal Bayar University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2010 - 2012
Undergraduate, Ankara University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Turkey 2003 - 2009

Foreign Languages

English

Dissertations

Doctorate, Yaya tahliye sürecinin karınca algoritması kullanılarak incelenmesi, Manisa Celal Bayar University, 2017
Postgraduate, Bir ve iki yönlü karınca trafik akışının bilgisayar simülasyonuyla incelenmesi, Manisa Celal Bayar University, 2012

Research Areas

Avesis Research Areas: Physics, Natural Sciences
WoS Research Areas: Natural Sciences (Sci), Physics
Scopus Research Areas: Physical Sciences

Academic Positions

Assistant Professor, Manisa Celal Bayar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Fizik, 2024 - Present
Research Assistant, Manisa Celal Bayar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Fizik, 2011 - 2024

Courses

Undergraduate

ELEKTROMANYETİK TEORİ II, Undergraduate, 2025 - 2026
MESLEKİ İNGİLİZCE II, Undergraduate, 2026 - 2027
İŞLETMEDE MESLEKİ EĞİTİM, Undergraduate, 2025 - 2026
ÖĞRETMENLİK UYGULAMASI, Undergraduate, 2026 - 2027
DİFERANSİYEL DENKLEMLER, Undergraduate, 2025 - 2026
ELEKTROMANYETİK TEORİ I, Undergraduate, 2025 - 2026
OPTİK LABORATUVARI, Undergraduate, 2025 - 2026
DİFERANSİYEL DENKLEMLER, Undergraduate, 2024 - 2025
DİFERANSİYEL DENKLEMLER, Undergraduate, 2023-2024
TEMEL FİZİK, Undergraduate, 2023-2024, 2020-2021, 2019-2020
TEMEL FİZİK LABORATUVARI, Undergraduate, 2023-2024
BİYOFİZİK, Undergraduate, 2023-2024, 2020-2021, 2019-2020
FİZİK TARİHİ, Undergraduate, 2023-2024
SOSYAL SORUMLULUK VE SOSYAL ETKİNLİK, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2017-2018
TEKNİK İNGİLİZCE, Undergraduate, 2022-2023
FİZİK I, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020

Articles

I. **Structure-luminescence correlations in Eu^{3+}-activated Ba_2LaVO_6 and Ba_2GdVO_6 double-perovskite phosphors**
İlhan M., Gökçe S., Guleryuz L. F., Kati M. İ.
RSC ADVANCES, vol.16, no.9, pp.8051-8071, 2026 (SCI-Expanded, Scopus)

II. **Host-dependent microstructural evolution and radiative dynamics in Eu3+-activated Sr2(Gd1-xLax)0.9TaO6 and Ba2(Gd1-xLax)0.9TaO6 double perovskites**
İLHAN M., GÖKÇE S., Güleryüz L. F., EVRAN S.
Ceramics International, 2026 (SCI-Expanded, Scopus)

III. **Comparative luminescence and Judd-Ofelt analysis of Eu^{3+}-doped Ca_2GdVO_6 and Sr_2GdVO_6 phosphors for red-emitting applications**
İLHAN M., Guleryuz L. F., GÖKÇE S., DEMİRER H.
MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, vol.323, 2026 (SCI-Expanded, Scopus)

IV. **Judd-Ofelt and photoluminescence analysis of Ca2GdSbO6:Eu3+and Ca2GdSbO6:Eu3+, B3+phosphors for red emission performance**
İLHAN M., Guleryuz L. F., GÖKÇE S., KILIÇ S.
MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, vol.322, 2025 (SCI-Expanded, Scopus)

V. **Luminescence characteristics and kinetic parameters of LiBaPO4: Tb3+, Dy3+phosphors synthesized by sol-gel method**
Katı M. İ., Gökçe S., Keskin İ. Ç., Türemiş M., Çetin A., Kibar R.
JOURNAL OF LUMINESCENCE, vol.266, 2024 (SCI-Expanded, Scopus)

VI. **Kinetic parameters and luminescence properties of rare earth (Tb, Nd) doped and transition metal (Mn) doped/co-doped YAlO3 prepared via sol-gel method**
Gökçe S., Keskin İ., Katı M. İ., Kibar R., Çetin A., Tuncer Arslanlar Y.
Journal of Luminescence, vol.261, 2023 (SCI-Expanded, Scopus)

VII. **Investigating pedestrian evacuation using ant algorithms**
Gokce S., Cetin A., Kibar R.

Pramana - Journal of Physics, vol.91, no.5, 2018 (SCI-Expanded, Scopus)

VIII. **Study on bi-directional pedestrian movement using ant algorithms**
GÖKÇE S., Kayacan O.
Chinese Physics B, vol.25, no.1, 2015 (SCI-Expanded, Scopus)

IX. **A cellular automata model for ant trails**
GÖKÇE S., Kayacan O.
Pramana - Journal of Physics, vol.80, no.5, pp.909-915, 2013 (SCI-Expanded, Scopus)

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Study on bi-directional pedestrian movement using ant algorithm**
GÖKÇE S., KAYACAN Ö.
22. İSTATİSTİKSEL FİZİK GÜNLERİ, İstanbul, Turkey, 25 - 27 June 2015, (Summary Text)

II. **A Cellular Automata Model for Ant Trails**
GÖKÇE S., KAYACAN Ö.
3rd International Workshop on Statistical Mechanics and Dynamical Systems, Muğla, Turkey, 27 August - 02 September 2012, (Summary Text)

Funded Projects

BABACAN H., ÇETİN A., ÇAM KAYNAR S., BARDAK F., YILDIRIM S., DURUKAN GÜLTEPE M., SARIAYDIN COŞKUN S., AKSOY F., GÖKÇE S., ÜZÜMCÜ M. E., Project Supported by Higher Education Institutions, BAP Infrastructure, Beta ve Gama Radyasyonunun Deneysel Spektroskopisi ve NGBO-CBO Nanopowder Katkılı Nanofiber Kompozitlerin Radyasyon Madde Etkileşimleri, 2026 - Present

GÖKÇE S., KATI M. İ., ÇETİN A., KESKİN İ. Ç., Project Supported by Higher Education Institutions, BAP Infrastructure, Sol-Jel Yöntemi İle Sentezlenen Mmere(Bo3)2:Re+3 ve Mmere(Moo4)3:Re+3 Fosforlarının Fotolüminesans Özellikleri ve Fotonik Endüstrisinde Kullanılabilirliği., 2024 - Present

TUNCER ARSLANLAR Y., KESKİN İ. Ç., KİBAR R., GÖKÇE S., ÇETİN A., KATI M. İ., Project Supported by Higher Education Institutions, BAP Research Project, İtriyum Alüminat İnorganik Fosforunun Lüminesans Özelliklerine Nadir Toprak ve Geçiş Elementlerinin Katkısı, 2018 - 2021

Metrics

Publication: 11
Citation (WoS): 87
Citation (Scopus): 95
H-Index (WoS): 5
H-Index (Scopus): 6