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Eğitim Bilgileri

Doktora, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Fizik , Türkiye 2006 - 2010

Yüksek Lisans, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Fizik , Türkiye 2001 - 2004

Lisans, Karadeniz Teknik Üniversitesi, Hukuk Müşavirliği, Fizik, Türkiye 1996 - 2001

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Yoğun lazer alanı altında GaInNAs/GaAs kuantum kuyularındaki donör safsızlık atomlarının bağlanma enerjileri, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, 2010

Yüksek Lisans, Simetrik katkılı çift kuantum kuyusunun potansiyel profilleri ve altband yapısı, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, 2004

Araştırma Alanları

Fizik, Yoğun Madde 2:Elektronik Yapı, Elektrik, Manyetik ve Optik Özellikler, Elektronik yapı, arayüzeylerin, ince filmlerin ve düşük boyutlu yapıların elektrik özellikleri, Optik özellikler, Yoğun madde spektroskopisi, Temel Bilimler

Akademik Unvanlar / Görevler

Prof.Dr., Sivas Cumhuriyet Üniversitesi, Teknoloji Fakültesi, Optik Mühendisliği Bölümü, 2019 - Devam Ediyor

Doç.Dr., Sivas Cumhuriyet Üniversitesi, Teknoloji Fakültesi, Optik Mühendisliği Bölümü, 2015 - 2019

Doç.Dr., Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, 2013 - 2015

Yrd.Doç.Dr., Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2012 - 2013

Araştırma Görevlisi, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2001 - 2011

Mesleki Deneyim

Anabilim/Bilim Dalı Başkanı, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Optik Mühendisliği Anabilim Dalı (Disiplinlerarası), 2019 - Devam Ediyor

Anabilim/Bilim Dalı Başkanı, Sivas Cumhuriyet Üniversitesi, Teknoloji Fakültesi, Optik Mühendisliği Bölümü, 2019 - Devam Ediyor

Bölüm Başkanı, Sivas Cumhuriyet Üniversitesi, Teknoloji Fakültesi, Optik Mühendisliği Bölümü, 2019 - Devam Ediyor

Anabilim/Bilim Dalı Başkanı, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Optik Mühendisliği (Y1) (Tezli), 2015 - 2016

Bölüm Başkanı, Sivas Cumhuriyet Üniversitesi, Teknoloji Fakültesi, Optik Mühendisliği Bölümü, 2015 - 2016

Verdiği Dersler

İleri Geometrik Optik, Yüksek Lisans, 2019 - 2020
Dinamik, Lisans, 2018 - 2019
Seminer Dersi, Yüksek Lisans, 2019 - 2020
Doğrusal Olmayan Optik, Yüksek Lisans, 2019 - 2020
Uzmanlık Alan Dersi, Yüksek Lisans, 2019 - 2020
Yarı İletken Optoelektronik Aygıtlar, Yüksek Lisans, 2019 - 2020
Dinamik, Lisans, 2018 - 2019
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Yarıiletken Optoelektronik Aygıtlar, Yüksek Lisans, 2016 - 2017
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Katihal Fiziği, Lisans, 2014 - 2015
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Yönetilen Tezler

Ungan F., TERS V-ŞEKİLLİ BİR KUANTUM KUYUSUNUN DOĞRUSAL VE DOĞRUSAL OLMAYAN OPTİK ÖZELLİKLERİ, Yüksek Lisans, A.Bilgin(Öğrenci), 2019
Ungan F., Çift görüş açılı mekanik objektif tasarımı, Yüksek Lisans, Ç.KOÇ(Öğrenci), 2019
Ungan F., Elektromanyetik Alan Altındaki Ters Parabolik Bir Kuantum Kuyusunun Optik Özellikleri, Yüksek Lisans, A.TUNCER(Öğrenci), 2019
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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- **Intersubband optical properties of a laser-dressed asymmetric triple quantum well nanostructure**
UNGAN F., Mora-Ramos M. E. , Barseghyan M. G. , Perez L. M. , Laroze D.
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- **The optimal ranges for the optical properties of two-electron quantum dot immersed in plasmas**
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- **Nonlinear optical properties of morse quantum well modulated by THz laser fields**
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- **Tailoring the optical properties of quantum ring irradiated by THz laser**
Kilic D. G. , Sakiroglu S., UNGAN F., Yesilgul U., KASAPOĞLU E., SARI H., Sokmen I.
PHILOSOPHICAL MAGAZINE, cilt.99, ss.3116-3132, 2019 (SCI İndekslerine Giren Dergi)
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UNGAN F., Mora-Ramos M. E. , Sakiroglu S., SARI H., Sokmen I.
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, cilt.33, 2019 (SCI İndekslerine Giren Dergi)
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- **Effect of the High-Frequency Laser Radiation on the Nonlinear Optical Properties of n-Type Double delta-Doped GaAs Quantum Wells**
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SUPERLATTICES AND MICROSTRUCTURES, cilt.130, ss.76-86, 2019 (SCI İndekslerine Giren Dergi)
- **Intense laser-induced electronic and optical properties in double finite oscillator potential**
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- **Hydrogenic donor impurities in delta-doped cylindrical quantum dots under intense laser field**
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- **Optical specifications of laser-induced Rosen-Morse quantum well**
UNGAN F., Bahar M. K.
OPTICAL MATERIALS, cilt.90, ss.231-237, 2019 (SCI İndekslerine Giren Dergi)
- **Electron-related optical responses in triple delta-doped quantum wells**
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- **The electron-related optical responses for the square tangent quantum well: Role of applied external fields**

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- **Nonlinear optical properties of a semi-exponential quantum wells: Effect of high-frequency intense laser field**

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- **Nonlinear optical properties of triple delta-doped quantum wells: The impact of the applied external fields**

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- **Study of electron-related optical responses in the Tietz-Hua quantum well: Role of applied external fields**

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- **Electron-related optical responses in Gaussian potential quantum wells: Role of intense laser field**

Sari H., Ungan F., Sakiroglu S., Yesilgul U., Kasapoglu E., Sokmen I.

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- **Impurity-related optical response in cylindrical quantum dots with a delta-doped axial potential under an intense laser field**

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- **Third-harmonic generation of a laser-driven quantum dot with impurity**

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- **The effects of intense laser field on optical responses of n-type delta doped GaAs quantum well under applied electric and magnetic fields**

Sari H., Ungan F., Sakiroglu S., Yesilgul U., Sokmen I.

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- **Optical properties of the Tietz-Hua quantum well under the applied external fields**

Kasapoglu E., Sakiroglu S., Ungan F., Yesilgul U., Duque C. A. , Sokmen I.

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- **Intense laser field effects on the third-harmonic generation in a quantum pseudodot system**
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PHYSICA B-CONDENSED MATTER, cilt.521, ss.215-220, 2017 (SCI İndekslerine Giren Dergi)
- **Second and third harmonic generation associated to infrared transitions in a Morse quantum well under applied electric and magnetic fields**
Restrepo R. L. , Kasapoglu E., Sakiroglu S., Ungan F., Morales A. L. , Duque C. A.
INFRARED PHYSICS & TECHNOLOGY, cilt.85, ss.147-153, 2017 (SCI İndekslerine Giren Dergi)
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- **Intense laser field effects on the intersubband optical absorption and refractive index change in the delta-doped GaAs quantum wells**
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- **The effects of the intense laser field on the optical properties of the asymmetric parabolic quantum well**
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- **The effect of the intense laser field on the electronic states and optical properties of n-type double delta-doped GaAs quantum wells**
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- **Effects of magnetic field, hydrostatic pressure and temperature on the nonlinear optical properties in symmetric double semi-V-shaped quantum well**
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- **Linear and nonlinear optical properties in an asymmetric double quantum well under intense laser field: Effects of applied electric and magnetic fields**
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- **Electronic structure and optical properties of triangular GaAs/AlGaAs quantum dots: Exciton and impurity states**
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- **Effects of applied electric and magnetic fields on the nonlinear optical properties of asymmetric GaAs/Ga_{1-x}Al_xAs double inverse parabolic quantum well**
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Atrflar

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