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Kişisel Bilgiler

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Eğitim Bilgileri

1995 - 1999	Doktora, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, Türkiye
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1984 - 1989	Lisans, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, Türkiye

Yaptığı Tezler

1999	DÜŞÜK BOYUTLU YARİİLETKEN HETEROYAPILARDA ELEKTRONİK VE OPTİK ÖZELLİKLERİN ALAN ALTINDAKİ DEĞİŞİMİ , Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, Doktora
1994	Anharmonik Titreşici, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, Yüksek Lisans

Araştırma Alanları

Yoğun Madde 1:Yapısal, Mekanik ve Termal Özellikler , Yoğun Madde 2:Elektronik Yapı, Elektrik, Manyetik ve Optik Özellikler, Temel Bilimler

Akademik Unvanlar / Görevler

2009 - Devam Ediyor	Prof.Dr., Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü
2004 - 2009	Doç.Dr., Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü
1999 - 2004	Yrd.Doç.Dr., Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü

Akademik İdari Deneyim

2013 - 2022	Anabilim/Bilim Dalı Başkanı, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü
2007 - 2013	Anabilim/Bilim Dalı Başkanı, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü
2008 - 2010	Bölüm Başkanı, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü
2004 - 2008	MYO Müdürü, Sivas Cumhuriyet Üniversitesi, Gürün Meslek Yüksekokulu

Yönetilen Tezler

2020	Kasapoğlu E., Doktora, E.BAHADIR(Öğrenci), Manyetik alan altında küresel kuantum noktalarının elektronik ve optik özellikleri
2013	KASAPOĞLU E., Yüksek Lisans, F.ARAYAN(Öğrenci), Manyetik alan altında basamaklı asimetrik kuantum kuyusunda safsızlık düzeyleri
2012	KASAPOĞLU E., Yüksek Lisans, Y.ÖZDEMİR(Öğrenci), Manyetik alan altında basamaklı asimetrik kuantum kuyusunda elektronik yapı
2010	Kasapoğlu E., Doktora, F.UNGAN(Öğrenci), Yoğun lazer alanı altında GaInNAs/GaAs kuantum kuyularındaki donor safsızlık atomlarının bağlanma enerjileri
2009	KASAPOĞLU E., Yüksek Lisans, S.KILIN(Öğrenci), Eğik elektrik alan altında GaAs/Ga1-xAlxAs kuantum telindeki donor safsızlık atomlarının bağlanma enerjileri
2009	KASAPOĞLU E., Yüksek Lisans, H.CANPOLAT(Öğrenci), Manyetik alan altında çift kuantum kuyusundaki donor safsızlık atomları üzerinde hidrostatik basınç ve sıcaklık etkileri
2007	KASAPOĞLU E., Yüksek Lisans, Y.ADIBELLİ(Öğrenci), Üçlü kuantum kuyularındaki hidrojenik sistemlerin elektronik ve optik özelliklerinin dış alanlar altındaki değişimi

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Simultaneous effects of the position dependent mass and magnetic field on quantum well with the improved Tietz potential**
KASAPOĞLU E., YÜCEL M. B., Duque C. A., Mora-Ramos M. E.
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II. **Electronic and optical properties of the exponential and hyperbolic Rosen–Morse types quantum wells under applied magnetic field**
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III. **Electric field, magnetic field, and hydrostatic pressure effects on the absorption coefficient for GaAs/AlxGa1−xAs/Al0.3Ga0.7As staggered core–shell–shell spherical quantum dots**
Rodríguez-Guijarro G., Rodríguez-Magdaleno K., KASAPOĞLU E., Nava-Maldonado F., UNGAN F., Martínez-Orozco J.
Physica E: Low-Dimensional Systems and Nanostructures, cilt.154, 2023 (SCI-Expanded)

IV. **The effects of the variable mass on the electronic and nonlinear optical properties of octic anharmonic oscillators**
ŞAKİROĞLU S., YÜCEL M. B., KASAPOĞLU E.
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V. **Position-dependent-mass and laser field impact on the optical characteristics of Manning-like double quantum well**
Dakhlaoui H., Belhadj W., KASAPOĞLU E., UNGAN F.
Physica E: Low-Dimensional Systems and Nanostructures, cilt.151, 2023 (SCI-Expanded)

VI. **Nonlinear absorption coefficient and relative refractive index change for Konwent potential quantum well as a function of intense laser field effect**
Rodríguez-Magdaleno K., Nava-Maldonado F., KASAPOĞLU E., Mora-Ramos M., UNGAN F., Martínez-Orozco J.
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VII. **Parabolic–Gaussian Double Quantum Wells Under a Nonresonant Intense Laser Field**
Kasapoğlu E., Yücel M. B., Duque C. A.
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VIII. **Spin–Orbit and Zeeman Effects on the Electronic Properties of Single Quantum Rings: Applied Magnetic Field and Topological Defects**
González J. C. L., -Negrette R. G. T., Morales A. L., Vinasco J. A., Yücel M. B., Sari H., Kasapoğlu E., Şakiroğlu S., Mora-Ramos M. E., Restrepo R. L., et al.
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IX. **Harmonic-Gaussian Symmetric and Asymmetric Double Quantum Wells: Magnetic Field Effects**
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X. **Effects of external perturbations on light absorption by light/heavy hole excitons in a semi-parabolic quantum well**
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XI. **Diamagnetic susceptibility of an artificial hydrogen molecule ion D2+ confined to quantum dots: effects of anisotropy**
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XII. **Tuning of nonlinear optical characteristics of a cylindrical quantum dot by external fields and structure parameters**
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XIII. **Optical Properties of Cylindrical Quantum Dots with Hyperbolic-Type Axial Potential under Applied Electric Field**
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XIV. **Theoretical Study of the Exciton Binding Energy and Exciton Absorption in Different Hyperbolic-Type Quantum Wells under Applied Electric, Magnetic, and Intense Laser Fields**
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XV. **Photoionization cross section of a D-2(+) complex in quantum dots: the role of donor atoms configuration**
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XVII. **Shallow-donor impurity effects on the far infrared electron–electron optical absorption coefficient in single and core/shell spherical quantum dots with Konwent-like confinement potential**
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XX. **Dynamics of nonlinear optical rectification, second, and third harmonic generation in asymmetric triangular double quantum wells due to static electric and magnetic fields**
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XXIII. **Effect of position-dependent effective mass on donor impurity- and exciton-related electronic and optical properties of 2D Gaussian quantum dots**
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EUROPEAN PHYSICAL JOURNAL PLUS, cilt.137, sa.3, 2022 (SCI-Expanded)

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Belamkadem L., Mommadi O., Boussetta R., Chnafi M., Vinasco J. A., Laroze D., Perez L. M., El Moussaouy A., Meziani Y. M., KASAPOĞLU E., et al.
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XXV. **The effects of external fields on double GaAs/AlGaAs quantum well with Manning potential**
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XXVI. **Influence of position dependent effective mass on impurity binding energy and absorption in quantum wells with the Konwent potential**
Al E. B., Kasapoğlu E., Şakiroğlu S., Sari H., Sökmen İ.
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XXVII. **Shallow Donor Impurity States with Excitonic Contribution in GaAs/AlGaAs and CdTe/CdSe Truncated Conical Quantum Dots under Applied Magnetic Field**
Pulgar-Velasquez L., Sierra-Ortega J., Vinasco J. A., Laroze D., Radu A., KASAPOĞLU E., Restrepo R. L., Gil-Corrales J. A., Morales A. L., Duque C. A.
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XXVIII. **Magneto-optical properties of impurity associated photoionization cross-section in laser-driven delta-doped quantum wires**
Peter A. J., Kasapoglu E., Ungan F.
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XXIX. **Position dependent effective mass effect on the quantum wells with three-parameter modified Manning potential**
Kasapoglu E., Duque C. A.
OPTIK, cilt.243, 2021 (SCI-Expanded)

XXX. **The anisotropy effects on the shallow-donor impurity states and optical transitions in quantum dots**
Aydin F., Sari H., Kasapoglu E., Sakiroglu S., Sokmen I.
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XXXI. **Optical properties of spherical quantum dot in the presence of donor impurity under the magnetic field**
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Kasapoglu E., Sari H., Sokmen I., Vinasco J. A., Laroze D., Duque C. A.
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XXXIII. **Zeeman splitting, Zeeman transitions and optical absorption of an electron confined in spherical quantum dots under the magnetic field**
Al E. B., Kasapoğlu E., Sari H., Sökmen I.
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XXXIV. **Binding energies and optical absorption of donor impurities in spherical quantum dot under applied magnetic field**
Al E. B., Kasapoğlu E., Sakiroglu S., Sari H., Sökmen I., Duque C.
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XXXV. **Impurity-related optical response in a 2D and 3D quantum dot with Gaussian confinement under intense laser field**
SARİ H., KASAPOĞLU E., Sakiroglu S., Sokmen I., Duque C. A.
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XXXVI. **Impurity-modulated optical response of a disc-shaped quantum dot subjected to laser radiation**
Gul Kilic D., Sakiroglu S., KASAPOĞLU E., SARİ H., Sokmen I.
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XXXVII. **Anisotropy dependence of the optical response in an impurity doped quantum dot under intense laser field**
Aydin F., SARİ H., KASAPOĞLU E., Sakiroglu S., Sokmen I.
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XXXVIII. **Tailoring the optical properties of quantum ring irradiated by THz laser**
Kilic D. G., Sakiroglu S., UNGAN F., Yesilgul U., KASAPOĞLU E., SARİ H., Sokmen I.
PHILOSOPHICAL MAGAZINE, cilt.99, sa.24, ss.3116-3132, 2019 (SCI-Expanded)

XXXIX. **Effect of Intense Laser Field in Gaussian Quantum Well With Position-Dependent Effective Mass**
SARİ H., KASAPOĞLU E., Sakiroglu S., Sokmen I., Duque C. A.
PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS, cilt.256, sa.8, 2019 (SCI-Expanded)

XL. **Effect of the High-Frequency Laser Radiation on the Nonlinear Optical Properties of n-Type Double delta-Doped GaAs Quantum Wells**
UNGAN F., SARİ H., KASAPOĞLU E., YEŞİLGÜL Ü., ŞAKİROĞLU S., SÖKMEN İ.
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, cilt.19, sa.7, ss.4167-4171, 2019 (SCI-Expanded)

XLI. **Intense laser-induced electronic and optical properties in double finite oscillator potential**
Sari H., Ungan F., Kasapoglu E., Sakiroglu S., Sokmen I.
PHILOSOPHICAL MAGAZINE, cilt.99, sa.19, ss.2444-2456, 2019 (SCI-Expanded)

XLII. **Electron-related optical responses in triple delta-doped quantum wells**
Ungan F., Mora-Ramos M. E., Kasapoglu E., Sari H., Sokmen I.
PHILOSOPHICAL MAGAZINE, cilt.99, sa.5, ss.644-658, 2019 (SCI-Expanded)

XLIII. **Electronic states in GaAs-(Al, Ga) As eccentric quantum rings under nonresonant intense laser and magnetic fields**
Vinasco J. A., Radu A., Niculescu E., Mora-Ramos E., Feddi E., Tulupenko V., Restrepo R. L., Kasapoglu E., Morales A. L., Duque C. A.
SCIENTIFIC REPORTS, cilt.9, 2019 (SCI-Expanded)

XLIV. **Binding energy and optical absorption of donor impurity states in "12-6" tuned GaAs/GaAlAs double quantum well under the external fields**
Kasapoglu E., Sakiroglu S., Sari H., Sokmen I., Duque C. A.
PHYSICA B-CONDENSED MATTER, cilt.554, ss.72-78, 2019 (SCI-Expanded)

XLV. **Position-dependent mass effects on the optical responses of the quantum well with Tietz-Hua potential**
Sari H., Kasapoglu E., Sakiroglu S., Sokmen I.
OPTIK, cilt.178, ss.1280-1284, 2019 (SCI-Expanded)

XLVI. **Nonlinear optical properties of triple delta-doped quantum wells: The impact of the applied external fields**
Ungan F., Mora-Ramos M. E., Kasapoglu E., Sari H., Sokmen I.
OPTIK, cilt.180, ss.387-393, 2019 (SCI-Expanded)

XLVII. **Morse quantum well modulated by nonresonant intense laser field: Binding energy and optical absorption related to shallow donor impurities**
Kasapoglu E., Sakiroglu S., Sari H., Sokmen I., Duque C. A.
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XLVIII. **Linear and nonlinear optical properties in the terahertz regime for multiple-step quantum wells under intense laser field: Electric and magnetic field effects**
Restrepo R. L., Gonzalez-Pereira J. P., Kasapoglu E., Morales A. L., Duque C. A.

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L. **Electron-related optical responses in Gaussian potential quantum wells: Role of intense laser field**
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LI. **Effects of Geometry on the Electronic Properties of Semiconductor Elliptical Quantum Rings**
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LII. **Third-harmonic generation of a laser-driven quantum dot with impurity**
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LIII. **Optical Absorption and Electroabsorption Related to Electronic and Single Dopant Transitions in Holey Elliptical GaAs Quantum Dots**
Alejandro Vinasco J., Alejandro Londono M., Leon Restrepo R., Eduardo Mora-Ramos M., Feddi E. M., Radu A., KASAPOĞLU E., Luis Morales A., Alberto Duque C.
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LIV. **Electric and magnetic field modulated energy dispersion, conductivity and optical response in double quantum wire with spin-orbit interactions**
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LV. **Optical properties of the Tietz-Hua quantum well under the applied external fields**
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LVI. **Effect of the magnetic field on the nonlinear optical rectification and second and third harmonic generation in double delta-doped GaAs quantum wells**
Martinez-Orozco J. C., Rojas-Briseno J. G., Rodriguez-Magdaleno K. A., Rodriguez-Vargas I., Mora-Ramos M. E., Restrepo R. L., Ungan F., Kasapoglu E., Duque C. A.
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LVII. **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.
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LVIII. **Nonlinear optical properties of asymmetric n-type double delta-doped GaAs quantum well under intense laser field**
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Sakiroglu S., Kilic D. G., Yesilgul U., Ungan F., Kasapoglu E., Sari H., Sokmen I.
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LX. **Donor Impurity-Related Optical Absorption in GaAs Elliptic-Shaped Quantum Dots**
Londono M. A., Restrepo R. L., Ojeda J. H., Huynh Vinh Phuc H. V. P., Mora-Ramos M. E., Kasapoglu E., Morales A. L., Duque C. A.
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LXI. **Effects of magnetic field, hydrostatic pressure and temperature on the nonlinear optical properties in symmetric double semi-V-shaped quantum well**
Yesilgul U., Ungan F., Al E. B., Kasapoglu E., Sari H., Sokmen I.
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LXII. **Optical coefficients in a semiconductor quantum ring: Electric field and donor impurity effects**
Duque C. M., Acosta R. E., Morales A. L., Mora-Ramos M. E., Restrepo R. L., Ojeda J. H., Kasapoglu E., Duque C. A.
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LXIII. **The effects of the electric and intense laser field on the binding energies of donor impurity states (1s and 2p(+/-)) and optical absorption between the related states in an asymmetric parabolic quantum well**
Kasapoglu E., Sakiroglu S., Sokmen I., Restrepo R. L., Mora-Ramos M. E., Duque C. A.
OPTICAL MATERIALS, cilt.60, ss.318-323, 2016 (SCI-Expanded)

LXIV. **Infrared transitions between hydrogenic states in GaInNAs/GaAs quantum wells**
Al E. B., Ungan F., Yesilgul U., Kasapoglu E., Sari H., Sokmen I.
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, cilt.30, sa.22, 2016 (SCI-Expanded)

LXV. **Linear and nonlinear optical properties in an asymmetric double quantum well under intense laser field: Effects of applied electric and magnetic fields**
Yesilgul U., Al E. B., Martinez-Orozco J. C., Restrepo R. L., Mora-Ramos M. E., Duque C. A., Ungan F., Kasapoglu E.
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LXVI. **Optical properties of double quantum wires under the combined effect of spin-orbit interaction and in-plane magnetic field**
Sakiroglu S., Gisi B., Karaaslan Y., Kasapoglu E., Sari H., Sokmen I.
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LXVII. **Rashba spin-orbit coupling effects on the optical properties of double quantum wire under magnetic field**
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SUPERLATTICES AND MICROSTRUCTURES, cilt.93, ss.32-39, 2016 (SCI-Expanded)

LXVIII. **Electron and donor-impurity-related Raman scattering and Raman gain in triangular quantum dots under an applied electric field**
Tiutiunnyk A., Akimov V., Tulupenko V., Mora-Ramos M. E., KASAPOĞLU E., Morales A. L., Alberto Duque C.
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2017 - 2020	Manyetik Alan Altında Küresel Kuantum Noktalarının Elektronik Ve Optik Özellikleri, Yükseköğretim Kurumları Destekli Proje
2018 - 2019	Elektrik alan altında tek, çift ve üçlü delta katkılı GaAs yapıların altbandları arasındaki ikinci derece lineer olmayan geçişler F-571, Yükseköğretim Kurumları Destekli Proje
2017 - 2018	Lennard Jones Potansiyelli Çift Kuantum Kuyusundaki Safsızlık Atomlarının Bağlanma Enerjileri ve Optik Geçişler F-557, Yükseköğretim Kurumları Destekli Proje
2017 - 2018	Lennard Jones Potansiyelli Çift Kuantum Kuyusundaki Safsızlık Atomlarının Bağlanma Enerjileri ve Optik Geçişler, Yükseköğretim Kurumları Destekli Proje
2016 - 2018	Cumhuriyet Üniversitesi Ar-Ge Strateji Belgesi (Optik, Elektro Optik ve Fotonik Teknolojileri), TÜBİTAK Projesi
2017 - 2017	Tietz-Hua kuantum kuyusunun lineer ve lineer olmayan optik özellikleri üzerine dış alanların etkisi F-516, Yükseköğretim Kurumları Destekli Proje
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2014 - 2015	Basamaklı asimetrik kuantum kuyusunun lineer ve lineer olmayan optik özellikleri üzerine elektrik ve manyetik alanların etkisi, Yükseköğretim Kurumları Destekli Proje
2012 - 2013	Yoğun Lazer Alanı Altında GaInNAs GaAs Kuantum Kuyularındaki Donor Safsızlık Atomlarının Bağlanma Enerjileri, Yükseköğretim Kurumları Destekli Proje

Metrikler

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Ödüller

Eylül 2014	Lütfi ABAY Kültür Ve Eğitim Vakfı (LAKEV) Bilim Ödülü , Lütfi Abay Kültür Ve Eğitim Vakfı (Lakev)