

## Assoc. Prof. BEKİR CAN LÜTFÜOĞLU

### Personal Information

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**Address:** Akdeniz Üniversitesi Fen Fakültesi A Blok Fizik Bölümü Konyaaltı Antalya

### International Researcher IDs

ScholarID: vSZk0C0AAAAJ

ORCID: 0000-0001-6467-5005

Publons / Web Of Science ResearcherID: P-8856-2015

ScopusID: 12782950500

Yoksis Researcher ID: 27365

### Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği, Turkey 2002 - 2009

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği, Turkey 1996 - 1998

Undergraduate, Istanbul Technical University, Fen Edebiyat, Fizik Mühendisliği, Turkey 1992 - 1996

### Foreign Languages

Russian, A1 Beginner

French, A1 Beginner

English, C1 Advanced

Japanese, B1 Intermediate

Italian, A1 Beginner

### Certificates, Courses and Trainings

Occupational Health and Safety, İş Güvenliği Eğitici Sertifikası, ÇSGB, 2014

### Dissertations

Doctorate, Non Perturbative Investigation of a Fermionic Model, Istanbul Technical University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği, 2009

Postgraduate, Propagation in a Planar Gravitational Wave Background., Istanbul Technical University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği, 1998

### Research Areas

Physics, Atomic and Molecular Physics, Atomic and Molecular Interactions, Basic Particles and Areas, General Theory of Particles and Fields, Natural Sciences

## Academic Titles / Tasks

Assistant Professor, Akdeniz University, Faculty of Science, Department of Physics, 2018 - Continues

Assistant Professor, Akdeniz University, Faculty of Science, Department of Physics, 2010 - 2018

Research Assistant, Istanbul Technical University, Fen Edebiyat Fakültesi, Fizik Mühendisliği, 1997 - 2009

## Academic and Administrative Experience

Akdeniz University, Faculty of Science, Fizik, 2017 - Continues

## Courses

Danışmanlık, Postgraduate, 2017 - 2018

Danışmanlık, Postgraduate, 2017 - 2018

Seminer II, Postgraduate, 2017 - 2018

KUANTUM MEKANİĞİ I, Undergraduate, 2017 - 2018, 2016 - 2017, 2013 - 2014

Uzmanlık Alan Dersi, Postgraduate, 2017 - 2018

Kuantum Mekaniği II, Undergraduate, 2017 - 2018

Yüksek Enerji Fiziği I, Postgraduate, 2017 - 2018, 2016 - 2017

Klasik Mekanik I, Postgraduate, 2017 - 2018, 2016 - 2017

Danışmanlık , Postgraduate, 2016 - 2017

Physics I, Undergraduate, 2017 - 2018, 2016 - 2017

Seminer II, Postgraduate, 2016 - 2017

Parçacık Fiziği, Undergraduate, 2017 - 2018

Uzmanlık Alan Dersi, Postgraduate, 2016 - 2017

Physics II, Undergraduate, 2016 - 2017

FİZİK I MEKANİK, Undergraduate, 2017 - 2018, 2016 - 2017, 2014 - 2015, 2013 - 2014

İleri Fizik Lab., Undergraduate, 2017 - 2018

Fizik II, Undergraduate, 2016 - 2017

KUANTUM FİZİĞİ, Undergraduate, 2017 - 2018, 2016 - 2017, 2012 - 2013

Danışmanlık , Postgraduate, 2017 - 2018

Danışmanlık , Postgraduate, 2017 - 2018

Uzmanlık Alan Dersi, Postgraduate, 2017 - 2018

Physics II, Undergraduate, 2015 - 2016

KLASİK MEKANİK I, Postgraduate, 2016 - 2017, 2013 - 2014

Uzmanlık Alan Dersi, Doctorate, 2016 - 2017

Danışmanlık, Postgraduate, 2016 - 2017

Seminer I, Postgraduate, 2016 - 2017

Danışmanlık, Postgraduate, 2016 - 2017

FİZİKTE YÜKSEK LİSANS UZMANLIK ALAN DERSLERİ, Postgraduate, 2013 - 2014

BİTİRME ÇALIŞMASI II, Undergraduate, 2013 - 2014, 2012 - 2013

SEMİNER II, Postgraduate, 2013 - 2014

Fizik I Lab, Undergraduate, 2014 - 2015

Optik Lab , Undergraduate, 2014 - 2015

FİZİK II ELEKTRİK VE MANYETİZMA, Undergraduate, 2013 - 2014

YÜKSEK LİSANS DANIŞMANLIK, Postgraduate, 2013 - 2014

Yüksek Enerji Fiziği II, Doctorate, 2014 - 2015

Sporda Biyomekaniksel Yaklaşımlar, Postgraduate, 2014 - 2015

FİZİK I MEKANİK, Undergraduate, 2013 - 2014

FİZİK I MEKANİK, Undergraduate, 2013 - 2014  
GENEL FİZİK, Undergraduate, 2012 - 2013  
FİZİKTE YÜKSEK LİSANS UZMANLIK ALAN DERSİ, Postgraduate, 2013 - 2014  
YÜKSEK LİSANS DANIŞMANLIK, Postgraduate, 2013 - 2014  
FİZİK II ELEKTRİK VE MANYETİZMA, Undergraduate, 2013 - 2014  
FİZİK IV DALGALAR VE TİTREŞİM, Undergraduate, 2009 - 2010  
FİZİK II ELEKTRİK VE MANYETİZMA, Undergraduate, 2009 - 2010

## Advising Theses

LÜTFÜOĞLU B. C., GENELLEŞTİRİLMİŞ WOODS-SAXON POTANSİYELİNİN BİR BOYUTTA SAÇILMA, BAĞLI VE YARI BAĞLI DURUMLAR İÇİN KUANTUM MEKANİKSEL İNCELENMESİ, Postgraduate, F.Akdeniz(Student), 2016

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Dunkl–Klein–Gordon Equation in Three-Dimensions: The Klein–Gordon Oscillator and Coulomb Potential**  
Hamil B., LÜTFÜOĞLU B. C.  
Few-Body Systems, vol.63, no.4, 2022 (SCI-Expanded)
- II. **Thermodynamics of the Reissner-Nordström black hole with quintessence matter on the EGUP framework**  
Chen H., LÜTFÜOĞLU B. C., Hassanabadi H., Long Z.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.827, 2022 (SCI-Expanded)
- III. **Effect of Snyder–de Sitter Model on the black hole thermodynamics in the context of rainbow gravity**  
Hamil B., Lütfüoğlu B. C.  
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.19, no.3, pp.1-22, 2022 (SCI-Expanded)
- IV. **Conformable fractional wave equation and conformable fractional KdV equation from the ordinary Newton equation with deformed translational symmetry**  
Chung W., Hassanabadi H., Lütfüoğlu B. C., Kriz J.  
Waves In Random And Complex Media, vol.1, no.1, pp.1, 2022 (SCI-Expanded)
- V. **Interaction of the generalized Duffin-Kemmer-Petiau equation with a non-minimal coupling under the cosmic rainbow gravity**  
Hosseinpour M., Hassanabadi H., Kriz J., Hassanabadi S., Lutfuoglu B. C.  
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.18, no.14, 2021 (SCI-Expanded)
- VI. **Pauli oscillator in noncommutative space**  
Heddar M., Falek M., Moumni M., LÜTFÜOĞLU B. C.  
MODERN PHYSICS LETTERS A, vol.36, no.40, 2021 (SCI-Expanded)
- VII. **Black hole thermodynamics in the presence of a maximal length and minimum measurable in momentum**  
Hamil B., Lutfuoglu B. C.  
EPL, vol.135, no.5, 2021 (SCI-Expanded)
- VIII. **Thermodynamics of Schwarzschild black hole surrounded by quintessence with generalized uncertainty principle**  
Lutfuoglu B. C., Hamil B., Dahbi L.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.136, no.9, 2021 (SCI-Expanded)
- IX. **Thermodynamics of the Schwarzschild and Reissner-Nordstrom black holes under higher-order generalized uncertainty principle**  
Hassanabadi S., Kriz J., Chung W. S., Lutfuoglu B. C., Maghsoodi E., Hassanabadi H.

EUROPEAN PHYSICAL JOURNAL PLUS, vol.136, no.9, 2021 (SCI-Expanded)

- X. **New Higher-Order Generalized Uncertainty Principle: Applications**  
Hamil B., LÜTFÜOĞLU B. C.  
INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, vol.60, no.8, pp.2790-2803, 2021 (SCI-Expanded)
- XI. **The effect of higher-order extended uncertainty principle on the black hole thermodynamics**  
Hamil B., LÜTFÜOĞLU B. C.  
EPL, vol.134, no.5, 2021 (SCI-Expanded)
- XII. **Duffin-Kemmer-Petiau particles in the presence of the spiral dislocation**  
Hassanabadi S., Zare S., Lutfuoglu B. C., Kriz J., Hassanabadi H.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.36, no.16, 2021 (SCI-Expanded)
- XIII. **alpha-boson gas model based on alpha-additive entropy**  
Chung W. S., Hassanabadi H., LÜTFÜOĞLU B. C.  
JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT, vol.2021, no.5, 2021 (SCI-Expanded)
- XIV. **q-Deformed Coherent States for q-Deformed Photon by Using the Tsallis's q-Deformed Exponential Function in the Non-Extensive Thermodynamics**  
Chung W. S., LÜTFÜOĞLU B. C., Hassanabadi H.  
INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, vol.60, no.3, pp.1109-1126, 2021 (SCI-Expanded)
- XV. **Bound state solutions of the Klein-Gordon equation with energy-dependent potentials**  
LÜTFÜOĞLU B. C., Ikot A. N., Karakoc M., Osobonye G. T., Ngiangia A. T., Bayrak O.  
MODERN PHYSICS LETTERS A, vol.36, no.4, 2021 (SCI-Expanded)
- XVI. **Effects of a new extended uncertainty principle on Schwarzschild and Reissner-Nordstrom black holes thermodynamics**  
Hassanabadi H., Chung W. S., LÜTFÜOĞLU B. C., Maghsoodi E.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.36, no.6, 2021 (SCI-Expanded)
- XVII. **The spin-one DKP equation with a nonminimal vector interaction in the presence of minimal uncertainty in momentum**  
Hamil B., LÜTFÜOĞLU B. C., Aounallah H.  
MODERN PHYSICS LETTERS A, vol.36, no.4, 2021 (SCI-Expanded)
- XVIII. **Effect of the modified Heisenberg algebra on the black hole thermodynamics**  
Hamil B., LÜTFÜOĞLU B. C.  
EPL, vol.133, no.3, 2021 (SCI-Expanded)
- XIX. **Hawking temperature of black holes using the EUP and EGUP formalisms based on the Einstein-Bohr's photon box**  
Farahani N., Hassanabadi H., Chung W. S., LÜTFÜOĞLU B. C., Zarrinkamar S.  
EPL, vol.132, no.5, 2021 (SCI-Expanded)
- XX. **Interaction of the magnetic quadrupole moment of a non-relativistic particle with an electric field in the background of screw dislocations with a rotating frame**  
LÜTFÜOĞLU B. C., Kriz J., Zare S., Hassanabadi H.  
PHYSICA SCRIPTA, vol.96, no.1, 2021 (SCI-Expanded)
- XXI. **Electric quadrupole moment of a neutral non-relativistic particle in the presence of screw dislocation**  
Hassanabadi H., Zare S., Kriz J., LÜTFÜOĞLU B. C.  
EPL, vol.132, no.6, 2020 (SCI-Expanded)
- XXII. **Information entropies for H-2 and ScF diatomic molecules with Deng- Fan-Eckart potential**  
Amadi P. O., Ikot A. N., Rampho G. J., Okorie U. S., Abdullah H. Y., LÜTFÜOĞLU B. C.  
REVISTA MEXICANA DE FISICA, vol.66, no.6, pp.742-748, 2020 (SCI-Expanded)
- XXIII. **Thermal properties of a two-dimensional Duffin-Kemmer-Petiau oscillator under an external magnetic field in the presence of a minimal length**  
Aounallah H., LÜTFÜOĞLU B. C., Kriz J.  
MODERN PHYSICS LETTERS A, vol.35, no.33, 2020 (SCI-Expanded)
- XXIV. **Graphene in curved Snyder space**

Hamil B., Aounallah H., LÜTFÜOĞLU B. C.

ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, vol.75, no.10, pp.809-817, 2020 (SCI-Expanded)

- XXV. **The generalized Klein-Gordon oscillator in a cosmic space-time with a space-like dislocation and the Aharonov-Bohm effect**  
LÜTFÜOĞLU B. C., KRÍZ J., Sedaghatnia P., HASSANABADI H.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.135, no.9, 2020 (SCI-Expanded)
- XXVI. **Investigation of Unruh temperature of black holes by using the EGUP formalism**  
Hassanabadi H., Farahani N., Chung W. S., LÜTFÜOĞLU B. C.  
EPL, vol.130, no.4, 2020 (SCI-Expanded)
- XXVII. **Numerical Simulation of Stoichiometric Thermodynamic Equilibrium Model of a Downdraft Biomass Air Gasifier**  
Akyurek Z., Akyuz A., Naz M. Y., Sulaiman S. A., LÜTFÜOĞLU B. C., GÜNGÖR A.  
SOLID FUEL CHEMISTRY, vol.53, no.6, pp.426-435, 2019 (SCI-Expanded)
- XXVIII. **A Statistical Mechanical Analysis on the Bound State Solution of an Energy-Dependent Deformed Hulthen Potential Energy**  
LÜTFÜOĞLU B. C., Ikot A. N., Okorie U. S., Ngiangia A. T.  
COMMUNICATIONS IN THEORETICAL PHYSICS, vol.71, no.9, pp.1127-1138, 2019 (SCI-Expanded)
- XXIX. **On the Role of Differentiation Parameter in a Bound State Solution of the Klein-Gordon Equation**  
LÜTFÜOĞLU B. C.  
COMMUNICATIONS IN THEORETICAL PHYSICS, vol.71, no.3, pp.267-273, 2019 (SCI-Expanded)
- XXX. **A comparative interpretation of the thermodynamic functions of a relativistic bound state problem proposed with an attractive or a repulsive surface effect**  
LÜTFÜOĞLU B. C., Kriz J.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.134, no.2, 2019 (SCI-Expanded)
- XXXI. **Analytical solution of the Klein Gordon equation with a multi-parameter q-deformed Woods-Saxon type potential**  
Luetfueoglu B. C., Ikot A. N., Chukwocha E. O., Bazuaye F. E.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.133, no.12, 2018 (SCI-Expanded)
- XXXII. **An investigation of the bound-state solutions of the Klein-Gordon equation for the generalized Woods-Saxon potential in spin symmetry and pseudo-spin symmetry limits**  
LÜTFÜOĞLU B. C.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.133, no.8, 2018 (SCI-Expanded)
- XXXIII. **Surface interaction effects to a Klein-Gordon particle embedded in a Woods-Saxon potential well in terms of thermodynamic functions**  
LÜTFÜOĞLU B. C.  
CANADIAN JOURNAL OF PHYSICS, vol.96, no.7, pp.843-850, 2018 (SCI-Expanded)
- XXXIV. **Comparative Effect of an Addition of a Surface Term to Woods-Saxon Potential on Thermodynamics of a Nucleon**  
LÜTFÜOĞLU B. C.  
COMMUNICATIONS IN THEORETICAL PHYSICS, vol.69, no.1, pp.23-27, 2018 (SCI-Expanded)
- XXXV. **Scattering of Klein-Gordon particles in the background of mixed scalar-vector generalized symmetric Woods-Saxon potential**  
LÜTFÜOĞLU B. C., LÍPOVSKY J., KRÍZ J.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.133, no.1, 2018 (SCI-Expanded)
- XXXVI. **Klein-Gordon equation particles in exponential-type molecule potentials and their thermodynamic properties in D dimensions**  
Ikot A. N., LÜTFÜOĞLU B. C., Ngwueke M. I., Udoh M. E., Zare S., Hassanabadi H.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.131, no.12, 2016 (SCI-Expanded)
- XXXVII. **Scattering, bound, and quasi-bound states of the generalized symmetric Woods-Saxon potential**  
LÜTFÜOĞLU B. C., Akdeniz F., BAYRAK O.

- JOURNAL OF MATHEMATICAL PHYSICS, vol.57, no.3, 2016 (SCI-Expanded)
- XXXVIII. **Gauged system mimicking the Gursej model**  
Hortacsu M., Lutfueoglu B. C., Taskin F.  
MODERN PHYSICS LETTERS A, vol.22, no.33, pp.2521-2531, 2007 (SCI-Expanded)
- XXXIX. **Renormalization group analysis of a Gursej-model-inspired field theory**  
Hortacsu M., Lutfueoglu B. C.  
PHYSICAL REVIEW D, vol.76, no.2, 2007 (SCI-Expanded)
- XL. **A model with interacting composites**  
Hortaçsu M., LÜTFÜOĞLU B. C.  
MODERN PHYSICS LETTERS A, vol.21, no.8, pp.653-661, 2006 (SCI-Expanded)
- XLI. **Spurious effects in perturbative calculations**  
Hortacsu M., Lutfuoglu B. C.  
GENERAL RELATIVITY AND GRAVITATION, vol.31, no.3, pp.391-403, 1999 (SCI-Expanded)

## Articles Published in Other Journals

- I. **On the Non Relativistic Modelling of the Generalized Symmetric Woods-Saxon Potential Energy with Snyder-De Sitter Algebra**  
LÜTFÜOĞLU B. C.  
Techno-Science Scientific Journal of Mehmet Akif Ersoy University, vol.3, no.1, pp.26-28, 2020 (Peer-Reviewed Journal)
- II. **Properties of an alpha Particle in a Bohrium 270 Nucleus under the Generalized Symmetric Woods-Saxon Potential**  
LÜTFÜOĞLU B. C., Erdoğan M.  
Süleyman Demirel University Journal of Natural and Applied Sciences, vol.21, no.2, pp.316-321, 2017 (Peer-Reviewed Journal)
- III. **Perturbative Construction of the two-dimensional  $O(N)$  nonlinear sigma model with ERG**  
LÜTFÜOĞLU B. C., Sonoda H.  
TURKISH JOURNAL OF PHYSICS, vol.41, no.3, pp.244-255, 2017 (Scopus)
- IV. **Perturbative construction of the two-dimensional  $O(N)$  nonlinear sigma model with ERG**  
LÜTFÜOĞLU B. C., Sonoda H.  
TURKISH JOURNAL OF PHYSICS, vol.41, no.3, pp.244-261, 2017 (ESCI)
- V. **THERMODYNAMIC PROPERTIES OF A NUCLEON UNDER THE GENERALIZED SYMMETRIC WOODS-SAXON POTENTIAL IN FLOURINE 17 ISOTOPE**  
LÜTFÜOĞLU B. C., ERDOGAN M.  
ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY –A Applied Sciences and Engineering, vol.17, no.4, pp.708-716, 2016 (Peer-Reviewed Journal)
- VI. **Skaler Gürsey modelinden esinlenmiş modeller**  
LÜTFÜOĞLU B. C., Hortaçsu M.  
İTÜ Dergisi / C Fen Bilimleri, vol.8, no.1, pp.21-28, 2010 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Energy and Environmental Studies for the Near Future**  
Güngör A., Lütfüoğlu B. C., Tuncer A. D., Karaman O. (Editor)  
Akademisyen Kitabevi, Ankara, 2019

## Refereed Congress / Symposium Publications in Proceedings

- I. **A PERTURBATIVE APPROACH IN THE MINIMAL LENGTH OF QUANTUM MECHANICS**  
LÜTFÜOĞLU B. C.  
International Conference on Research in Education & Science ICRES 2019, İzmir, Turkey, 28 April - 01 May 2019, vol.6, no.6, pp.148-150
- II. **A NOVEL DISCUSSION ON THE ROLE OF THE DIFFERENTIATION PARAMETER IN THE BOUND STATE SOLUTION OF A GENERALIZED SYMMETRIC WOODS-SAXON POTENTIAL**  
LÜTFÜOĞLU B. C.  
International Conference on Research in Education & Science ICRES 2019, İzmir, Turkey, 28 April - 01 May 2019, pp.8
- III. **On the Solution of the Generalized Symmetric Woods-Saxon Potential in the Dirac Equation**  
LÜTFÜOĞLU B. C.  
International Conference on Research in Education and Science, 28 April - 01 May 2018
- IV. **On the Relativistic Solutions of a Generalized Symmetric Woods-Saxon Potential**  
LÜTFÜOĞLU B. C.  
Relativistic Quantum Information North 2018, Viyana, Austria, 24 - 27 September 2018
- V. **The Bound-State Solutions of the Klein-Gordon Equation with a Scalar-Vector Mixed Generalized Symmetric Woods-Saxon Potential Energy and the Role of the Differential Parameter**  
LÜTFÜOĞLU B. C.  
International Conference on Mathematics: An Istanbul Meeting for World Mathematicians, İstanbul, Turkey, 3 - 06 July 2018, pp.1
- VI. **The Dirac Equation Solutions of the Generalized Symmetric Woods-Saxon Potential Energy in One Spatial Dimension**  
LÜTFÜOĞLU B. C.  
International Conference on Mathematics: An Istanbul Meeting for World Mathematicians, İstanbul, Turkey, 3 - 06 July 2018, pp.314-318
- VII. **Bound States of a Klein-Gordon particle under the effect of a Generalized Symmetric Woods-Saxon Potential Energy in Spin Symmetry and Pseudo-spin Symmetry Limits**  
LÜTFÜOĞLU B. C.  
New Frontiers in nuclear physics and astrophysics 2018, Antalya, Turkey, 28 May - 01 June 2018
- VIII. **Skaler ve Vektörel Genelleştirilmiş Woods-Saxon Potansiyel Enerjisi ile Tanımlanan Klein-Gordon Denklemine Spin-Simetrik ve Pseudospin-Simetrik Limitlerdeki Bağlı Durum Çözümleri**  
LÜTFÜOĞLU B. C.  
ADIM Fizik Günleri VII, Aydın, Turkey, 23 - 25 May 2018, pp.1
- IX. **Woods-Saxon Potential Energy versus its Generalization Form within Relativistic and Non-Relativistic solutions comparison**  
LÜTFÜOĞLU B. C.  
International Conference on Research in Education and Science, 28 April - 01 May 2018
- X. **Non-relativistic solutions of the generalized symmetric Woods-Saxon potential**  
LÜTFÜOĞLU B. C., Akdeniz F., BAYRAK O.  
VII Conference on Quantum Foundations, Cordoba, Argentina, 28 November - 01 December 2017
- XI. **Non relativistic solutions of the generalized symmetric Woods-Saxon potential**  
LÜTFÜOĞLU B. C., Akdeniz F., BAYRAK O.  
VII Conference on Quantum Foundations: 90 years of Uncertainty, Cordoba, Argentina, 29 November - 01 December 2017, vol.1, no.1, pp.8
- XII. **Non relativistic solutions of the generalized symmetric Woods-Saxon potential**  
LÜTFÜOĞLU B. C., Akdeniz F., BAYRAK O.  
VII Conference on Quantum Foundations: 90 years of Uncertainty, Cordoba, Argentina, 29 November - 01 December 2017, vol.1, no.1, pp.8
- XIII. **SURFACE INTERACTION EFFECTS TO A KLEIN-GORDON PARTICLE EMBEDDED IN A WOODS-SAXON POTENTIAL WELL IN TERMS OF THERMODYNAMIC FUNCTIONS**  
LÜTFÜOĞLU B. C.

Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, vol.1, no.1, pp.1

- XIV. **Relativistik Spin-0 parçacıkların Genelleştirilmiş Simetrik Woods-Saxon Potansiyelindeki Saçılmaları**  
LÜTFÜOĞLU B. C.  
ADIM VI Fizik Günleri, Balıkesir, Turkey, 19 - 21 July 2017, pp.1
- XV. **The Bound State Solutions of Klein-Gordon Particles in Generalized Symmetric Woods-Saxon Potential with Vector and Scalar parts**  
LÜTFÜOĞLU B. C.  
International Conference of Mathematics and Engineering 2017, İstanbul, Turkey, 10 - 12 May 2017, pp.309
- XVI. **Klein-Gordon Particles Scattering in Generalized Symmetric Woods-Saxon Potential in One Dimension**  
LÜTFÜOĞLU B. C.  
International Conference of Mathematics and Engineering 2017, İstanbul, Turkey, 10 - 12 May 2017, pp.165
- XVII. **Analytical Solution of Schrödinger equation for generalized symmetric Woods-Saxon potential: Scattering, bound and quasi-bound states.**  
LÜTFÜOĞLU B. C., Akdeniz F., BAYRAK O.  
ICQSA 2016, Eskişehir, Turkey, 25 - 27 May 2016, pp.120
- XVIII. **THERMODYNAMICS OF A NUCLEON IN A NUCLEUS MODELED BY GENERALIZED SYMMETRIC WOODS-SAXON POTENTIAL**  
LÜTFÜOĞLU B. C., ERDOGAN M.  
Fourth Quantum Thermodynamics Conference, Erice, Italy, 8 - 13 May 2016, pp.66-67
- XIX. **GENELLEŞTİRİLMİŞ SİMETRİK WOODS-SAXON POTANSİYELİYLE MODELLENMİŞ BİR ÇEKİRDEĞİN İÇİNDEKİ BİR NÜKLEONUN TERMODİNAMİĞİ**  
LÜTFÜOĞLU B. C., ERDOGAN M.  
ADIM FİZİK GÜNLERİ V, Eskişehir, Turkey, 21 - 23 April 2016, pp.38
- XX. **Models Inspired by Gürsey Model and their RG analysis**  
LÜTFÜOĞLU B. C., Taskin F., Hortacsu M.  
Strings and Fields 2014, Kyoto, Japan, 22 - 26 July 2014, pp.1
- XXI. **Gauged System Mimicking Gürsey Model**  
LÜTFÜOĞLU B. C., Hortacsu M., Taskin F.  
International Summer School on High Energy Physics: Standart Model and Beyond, Muğla, Turkey, 25 - 30 September 2006, pp.1
- XXII. **A model with interacting composites**  
LÜTFÜOĞLU B. C.  
ERG2006: Third International Conference on the Exact Renormalization Group, Lefkada, Greece, 17 September - 19 July 2006, pp.1
- XXIII. **A Model with Interacting Composites**  
LÜTFÜOĞLU B. C., Hortacsu M.  
International Workshop on Physics Beyond the Standard Model, Muğla, Turkey, 22 - 26 September 2005, pp.1

## Supported Projects

LÜTFÜOĞLU B. C., Other International Funding Programs, Study of properties of confined particles using Woods-Saxon potential, 2018 - Continues

## Scientific Refereeing

Project Supported by Higher Education Institutions, November 2018

Project Supported by Higher Education Institutions, August 2018



Indian Journal of Physics, SCI Journal, May 2018

Bilimsel Armoni, Scientific / Professional Book Published by Other Publishers, April 2018

Dokuz Eylül Üniversitesi Fen ve Mühendislik Dergisi, National Scientific Refreed Journal, August 2016

Fluctuation and Noise Letters, SCI Journal, January 2016

## Metrics

Publication: 71

Citation (WoS): 185

Citation (Scopus): 179

H-Index (WoS): 8

H-Index (Scopus): 7

## Congress and Symposium Activities

International Conference on Research in Education and Science ( ICRES)- 2019, Attendee, İzmir, Turkey, 2019

Kuantum Teknolojileri Çalıştayı, Attendee, Bolu, Turkey, 2019

Relativistic Quantum Information North 2018, Attendee, Vienna, Austria, 2018

International Conference on Mathematics "An Istanbul Meeting for World Mathematicians", Attendee, İstanbul, Turkey, 2018

ADIM Fizik Günleri VII, Attendee, Aydın, Turkey, 2018

ADIM Fizik Günleri VII, Session Moderator, Aydın, Turkey, 2018

New frontiers in nuclear physics and astrophysics - 2018, Attendee, Antalya, Turkey, 2018

International Conference on Research in Education and Science ( ICRES)- 2018, Attendee, Muğla, Turkey, 2018

International Conference on Research in Education and Science 2018, Session Moderator, Muğla, Turkey, 2018

VII Quantum Foundations, Attendee, Córdoba, Argentina, 2017

Turkish Physical Society 33rd International Physics Congress, Session Moderator, Muğla, Turkey, 2017

Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, Attendee, Muğla, Turkey, 2017

Adım Fizik Günleri VI, Attendee, Balıkesir, Turkey, 2017

International Conference on Mathematics and Engineering (ICOME) - 2017, Attendee, İstanbul, Turkey, 2017

International Conference on Quantum Science and Applications, Attendee, Eskişehir, Turkey, 2016

4. Quantum Thermodynamics, Attendee, Palermo, Italy, 2016

Adım Fizik Günleri V, Attendee, Eskişehir, Turkey, 2016

Strings and Fields, Attendee, YITP/Kyoto, Japan, 2014

13th Regional Conference on Mathematical Physics, Attendee, Antalya, Turkey, 2010

Lectures on Neutrino Mass and Grand Unified Theories, Attendee, Turkey, 2009

II. Yüksek Enerji Fiziği Okulu (YEF09), Attendee, İstanbul, Turkey, 2009

Summer Institute 2008, Attendee, Chi-Tou, Taiwan, 2008

Diferansiyel Geometri Yaz Okulu, Attendee, İstanbul, Turkey, 2007

Yüksek Enerji Fiziği Okulu, Attendee, İstanbul, Turkey, 2007

International Summer School on High Energy Physics: Standart Model and Beyond, Attendee, Turkey, 2006

3rd International Conference on the Exact Renormalization Group (ERG 2006), Attendee, Levkás, Greece, 2006

International Workshop on Physics Beyond The Standart Model, Attendee, Muğla, Turkey, 2005

Central European School in Particle Physics, Attendee, Prag, Czech Republic, 2004

Summer School in Particle Physics, Attendee, Trieste, Italy, 1999

## Scholarships

Erasmus Personel Ders Verme Hareketliliđi Bursu, Erasmus Bursu, University, 2017 - Continues  
Mevlana Exchange Programme, University, 2015 - Continues  
2218 Yurt İçi Doktora Sonrası Arařtırma Bursu, TUBITAK, 2010 - Continues  
Monbukagakusho: MEXT Bursu, Official Institutions of Foreign Countries, 2007 - Continues  
Young Student Programme, Official Institutions of Foreign Countries, 1999 - Continues

## **Awards**

LÜTFÜOĐLU B. C., Innovation of Study Specialisations Guarenteed by the Department of the Faculty of Science of UHK, Avrupa Destek Projesi, August 2014  
LÜTFÜOĐLU B. C., Erasmus Teaching Mobility Programme (Sevilla Üniversitesi), Erasmus+ Programı AB Eđitim ve Gençlik Programları Merkezi Başkanlıđı (Ulusal Ajans), February 2013  
LÜTFÜOĐLU B. C., Erasmus Teaching Mobility Programme (Padova Üniversitesi), Erasmus+ Programı AB Eđitim ve Gençlik Programları Merkezi Başkanlıđı (Ulusal Ajans), May 2012  
LÜTFÜOĐLU B. C., Fakülte 2. olarak Lisans mezuniyeti, İTÜ Fen-:Edebiyat Fakültesi Dekanlıđı, June 1996

## **Artistic Activity**

LÜTFÜOĐLU B. C., Sanat Kafede Şiirin Keyfi, Other, January 2017