

Assoc. Prof. CAN AKTAŞ

Personal Information

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Education Information

Doctorate, Canakkale Onsekiz Mart University, Fen Bilimleri, Fizik, Turkey 2002 - 2008

Postgraduate, Canakkale Onsekiz Mart University, Mekanik Ve Makine Elemanları, Matematik, Turkey 1999 - 2002

Undergraduate, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Matematik, Turkey 1995 - 1999

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Mathematics, Differential Equations, Physics, General Physics, Mathematical Methods in Physics, Relativity and Gravitation, Natural Sciences

Academic Titles / Tasks

Associate Professor, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Matematik, 2019 - Continues

Assistant Professor, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Matematik, 2018 - 2019

Assistant Professor, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Matematik, 2009 - 2018

Research Assistant, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Matematik, 2000 - 2009

Academic and Administrative Experience

Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Matematik, 2015 - Continues

Canakkale Onsekiz Mart University, Rektörlük, Enformatik, 2011 - 2015

Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Matematik, 2010 - 2011

Courses

Diferansiyel Denklemler, Undergraduate, 2012 - 2013, 2013 - 2014, 2014 - 2015

Bilgisayar Progmalama I, Undergraduate, 2012 - 2013, 2013 - 2014

Kısmi Türevli Diferansiyel Denklemler, Undergraduate, 2012 - 2013, 2013 - 2014

Bilgisayar Progmalama III, Undergraduate, 2012 - 2013, 2013 - 2014

Bilgisayar Progmalama IV, Undergraduate, 2012 - 2013, 2013 - 2014

Bilgisayar Progmalama II, Undergraduate, 2013 - 2014

Bilgisayar Programlama II, Undergraduate, 2012 - 2013

Diferansiyel Denklemler I, Postgraduate, 2012 - 2013

Advising Theses

Aktaş C., Bazı Topolojik Kusurların Uzay-Zaman Geometrisinin $f(R,T)$ Teoride İncelenmesi, Postgraduate, N.TAŞ(Student), Continues

Aktaş C., Behavior of Magnetized Strange Quark Matter in $f(R,T)$ Theory, Postgraduate, S.KALKAN(Student), Continues

Aktaş C., Frenleme Parametresinin Uzay-Zaman Geometrisine Etkileri, Doctorate, E.İMREN(Student), Continues

Aktaş C., Lyra manifoldunda karanlık enerji probleminin incelenmesi, Postgraduate, E.ECE(Student), 2020

Aktaş C., Homojen Anizotropik Modellerin $f(R,T)$ Teoride İncelenmesi, Postgraduate, C.KÖMÜRÇÜ(Student), 2020

Aktaş C., $f(R,T)$ TEORİDE MADDE ÇÖZÜMLERİ, Postgraduate, G.ÖZCAN(Student), 2019

Aktaş C., Manyetize acayip kuark madde dağılımının $f(r)$ teoride incelenmesi, Postgraduate, O.ÖZDEMİR(Student), 2019

Aktaş C., Homojen metriklerde $f(r,t)$ teori modelleri, Postgraduate, A.KIZILCIK(Student), 2019

Aktaş C., Self Creation Teoride Çeşitli Madde Çözümleri, Postgraduate, O.BAYRAMOĞLU(Student), 2016

Aktaş C., CREATION FIELD TEORİDE BAZI TOPOLOJİK KUSURLAR, Postgraduate, N.GÜLTEKİN(Student), 2016

Aktaş C., Lyra Manifoldunda Çeşitli Maddelerin Uzay - Zamana Geometrisi, Postgraduate, G.NALBANT(Student), 2013

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Investigation of the magnetized string distribution in the Marder universe with the cosmological term in $f(R,T)$ theory**
Kömürçü C., Aktaş C.
Modern Physics Letters A, vol.35, no.32, pp.2050263, 2020 (Journal Indexed in SCI)
- II. **Anisotropic universe models with magnetized strange quark matter in $f(R)$ gravity theory**
Ozdemir O., AKTAŞ C.
MODERN PHYSICS LETTERS A, vol.35, no.14, 2020 (Journal Indexed in SCI)
- III. **Various dark energy models for variables G and Λ in $f(R, T)$ modified theory**
AKTAŞ C.
MODERN PHYSICS LETTERS A, vol.34, no.13, 2019 (Journal Indexed in SCI)
- IV. **Massive and massless scalar field models for Kaluza-Klein universe in $f(R, T)$ gravity**
AKTAŞ C.
MODERN PHYSICS LETTERS A, vol.34, no.11, 2019 (Journal Indexed in SCI)
- V. **Quadratic equation of state solutions with Λ in $f(R, T)$ gravitation theory**
Aygün S., Aktas C., Mishra B.
INDIAN JOURNAL OF PHYSICS, vol.93, no.3, pp.407-414, 2019 (Journal Indexed in SCI)
- VI. **Energy-momentum distributions of Ruban universe in general relativity and teleparallel gravity**
Aktas C.
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.34, 2019 (Journal Indexed in SCI)
- VII. **Teleparallel energy-momentum distribution of various black hole and wormhole metrics**
Aygün S., Baysal H., Aktas C., Yilmaz I., Sahoo P. K., Tarhan I.
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.33, no.30, 2018 (Journal Indexed in SCI)
- VIII. **Relationship between magnetic field and anisotropy parameter in gravitation theories**
AKTAŞ C., AYGÜN S., Sahoo P. K.
MODERN PHYSICS LETTERS A, vol.33, no.24, 2018 (Journal Indexed in SCI)
- IX. **Scalar Field Cosmology in $f(R,T)$ Gravity with Λ**
Aygün S., Aktas C., Sahoo P. K., Bishi B. K.
GRAVITATION & COSMOLOGY, vol.24, no.3, pp.302-307, 2018 (Journal Indexed in SCI)
- X. **Magnetized strange quark matter solutions in $f(R, T)$ gravity with cosmological constant**

- AKTAŞ C., AYGÜN S.
CHINESE JOURNAL OF PHYSICS, vol.55, no.1, pp.71-78, 2017 (Journal Indexed in SCI)
- XI. **Strange quark matter solutions for Marder's universe in $f(R, T)$ gravity with Λ**
Aygün S., Aktas C., Yilmaz I.
ASTROPHYSICS AND SPACE SCIENCE, vol.361, no.12, 2016 (Journal Indexed in SCI)
- XII. **Higher dimensional FRW universe solutions with quark and strange quark matter in creation field cosmology**
AYGÜN S., AKTAŞ C., YILMAZ İ., Sahin M.
CHINESE JOURNAL OF PHYSICS, vol.54, no.5, pp.810-819, 2016 (Journal Indexed in SCI)
- XIII. **Quark and strange quark matter solutions for higher dimensional FRW universe in Lyra geometry**
AYGÜN S., CAGLAR H., TASER D., AKTAŞ C.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.130, no.1, 2015 (Journal Indexed in SCI)
- XIV. **Quark and strange quark matter in $f(R)$ gravity for Bianchi type I and V space-times**
Yilmaz I., BAYSAL H., AKTAŞ C.
GENERAL RELATIVITY AND GRAVITATION, vol.44, no.9, pp.2313-2328, 2012 (Journal Indexed in SCI)
- XV. **Non-existence of a massive scalar field for the Marder universe in Lyra and Riemannian geometries**
AYGÜN S., AKTAŞ C., Yilmaz I.
JOURNAL OF GEOMETRY AND PHYSICS, vol.62, no.1, pp.100-106, 2012 (Journal Indexed in SCI)
- XVI. **Behaviors of dark energy and mesonic scalar field for anisotropic universe in $f(R)$ gravity**
AKTAŞ C., AYGÜN S., Yilmaz I.
PHYSICS LETTERS B, vol.707, no.2, pp.237-242, 2012 (Journal Indexed in SCI)
- XVII. **Is the universe homogeneous and isotropic in the time when quark-gluon plasma exists?**
AKTAŞ C., YILMAZ İ.
GENERAL RELATIVITY AND GRAVITATION, vol.43, no.6, pp.1577-1591, 2011 (Journal Indexed in SCI)
- XVIII. **Magnetized quark and strange quark matter in the spherical symmetric space-time admitting conformal motion**
Aktas C., Yilmaz I.
GENERAL RELATIVITY AND GRAVITATION, vol.39, no.6, pp.849-862, 2007 (Journal Indexed in SCI)
- XIX. **Space-time geometry of quark and strange quark matter**
Ihsan Yilmaz I. Y. , Can Aktas C. A.
CHINESE JOURNAL OF ASTRONOMY AND ASTROPHYSICS, vol.7, no.6, pp.757-763, 2007 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Bianchi VI0 Universe with Magnetized Strange Quark Matter in $f(R, T)$ Theory**
Kalkan S., Aktaş C.
Journal of New Theory, no.37, pp.76-85, 2021 (International Refereed University Journal)
- II. **The Behaviour of Magnetized Strange Quark Matter on Bianchi V Universe in the Framework of $f(R,T)$ Theory**
AYGÜN S., AKTAŞ C., YILMAZ İ.
Archives of Current Research International, vol.11, no.2, pp.1-8, 2017 (Refereed Journals of Other Institutions)
- III. **Time Periodic Varying Deceleration Parameter in Reconstructed $f(R,T)$ Gravity**
AKTAŞ C., AYGÜN S.
Archives of Current Research International, vol.11, no.1, pp.1-6, 2017 (Refereed Journals of Other Institutions)
- IV. **Creation Field Teoride Yüksek Boyutlu Kaluza-Klein Uzay-Zamanı İçin Bazı Topolojik Kusurlar**
GÜLTEKİN N., AKTAŞ C.
ÇANAKKALE ONSEKİZ MART ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.3, no.1, pp.38-47, 2017 (National Refereed University Journal)
- V. **Magnetized strange quark matter in reconstructed $f(R, T)$ gravity for Bianchi I and V universes with cosmological constant**

AKTAŞ C.

TURKISH JOURNAL OF PHYSICS, vol.41, no.5, pp.469-476, 2017 (Journal Indexed in ESCI)

- VI. **Higher Dimensional Frw Universe Solutions In Lyra Geometry**
ÇAĞLAR H., AYGÜN S., Nalbant G., AKTAŞ C.
Balkan Physics Letters, pp.212-219, 2016 (Refereed Journals of Other Institutions)
- VII. **LRS BIANCHI I MODEL WITH STRANGE QUARK MATTER ATTACHED TO STRING CLOUD IN BRANS DICKE THEORY**
ÇAĞLAR H., AYGÜN S., AKTAŞ C., TAŞER D.
Balkan Physics Letters, vol.22, no.221014, pp.129-137, 2014 (Refereed Journals of Other Institutions)
- VIII. **Domain Wall Solutions With Quark Matter In Higher Dimensional Space-Times**
AKTAŞ C., YILMAZ İ., BAYKAL D., ULU DOĞRU M., GÜNAY DEMİREL E. C.
AIP AdvAnces, vol.899, no.1, pp.137-138, 2007 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **MAPLE İLE SEMBOLİK HESAPLAMA**
AKTAŞ C.
PARADİGMA YAYINEVİ, 2016
- II. **FORTTRAN 90 İLE PROGRAMLAMA**
AKTAŞ C.
PARADİGMA AKADEMİ, Çanakkale, 2015

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of the Domain Wall Matter Distrubitions in $f(R,T)$ Theory**
Taş N., Aktaş C.
Turkish Physical Society 36th International Physics Congress, Muğla, Turkey, 1 - 05 September 2020, pp.124-130
- II. **Investigation of Magnetized Strange Quark Matter Distribution in $f(R,T)$ Theory**
Kalkan S., Aktaş C.
Turkish Physical Society 36th International Physics Congress, Muğla, Turkey, 1 - 05 September 2020, pp.100-105
- III. **Tachyon Scalar Field Solutions in FRW Space-time**
DEMİR E. E. , AKTAŞ C.
ADIM Physics Days VIII, Turkey, 12 - 15 September 2019
- IV. **FRW Uzay-Zamanında Tachyon Scalar Alan Çözümleri**
DEMİR E. E. , AKTAŞ C.
ADIM Physics Days VIII, 12 - 15 September 2019
- V. **Solutions For Some Dark Energy Models In Kaluza- Klein Space Time**
DEMİR E. E. , AKTAŞ C.
Turkish Physical Society 35th International Physics Congress, 4 - 09 September 2019
- VI. **String Cloud With Perfect Fluid Matter Distribution For Homogenous And Anisotropic Space-Time In $f(R,T)$ Gravity**
KÖMÜRCÜ C., AKTAŞ C.
Turkish Physical Society 35th International Physics Congress, 4 - 09 September 2019
- VII. **Bianchi V Universe Model For String Cloud With Perfect Fluid In Lyra Manifold**
KAPLAN E., AKTAŞ C.
Turkish Physical Society 35th International Physics Congress, 4 - 09 September 2019
- VIII. **Reconstructing The Tachyon Field in Lyra Geometry**
DEMİR E. E. , AKTAŞ C.
Turkish Physical Society 34th International Physics Congress, 5 - 09 September 2018

- IX. String Fluid with Perfect Fluid Solutions For Bianchi I Space-Time in $f(R,T)$ Gravity**
KIZILCIK A., AKTAŞ C.
Turkish Physical Society 34th International Physics Congress, 5 - 09 September 2018
- X. Magnetized Strange Quark Matter Solutions For Bianchi-Type I Space-Time in $f(R)$ Theory**
ÖZDEMİR O., AKTAŞ C.
Turkish Physical Society 34th International Physics Congress, 5 - 09 September 2018
- XI. Bianchi I, III and Kantowski-Sachs Models in $f(R,T)$ Theory**
KIZILCIK A., AKTAŞ C.
Turkish Physical Society 34th International Physics Congress, 5 - 09 September 2018
- XII. Quintessence Scalar Field Model Of Dark Energy in Lyra Manifold**
DEMİR E. E. , AKTAŞ C.
Turkish Physical Society 34th International Physics Congress, 5 - 09 September 2018
- XIII. Cosmological Models with Linearly Varying Deceleration Parameter in Creation Field Theory**
BUYRUKBİLEN E. N. , AKTAŞ C.
Turkish Physical Society 34th International Physics Congress, 5 - 09 September 2018
- XIV. Space-Time Geometry of Magnetized Strange Quark Matter in Creation-Field Theory**
BUYRUKBİLEN E. N. , AKTAŞ C.
Turkish Physical Society 34th International Physics Congress, 5 - 09 September 2018
- XV. Investigation of Space-Time Geometry of String Clouds in $f(R,T)$ Theory Using Linearly Varying Deceleration Parameter**
İMREN E., AKTAŞ C.
Turkish Physical Society 34th International Physics Congress, 5 - 09 September 2018
- XVI. Some Bianchi Type Universe Models with Linearly Varying Deceleration Parameter in $f(R)$ Theory**
ÖZDEMİR O., AKTAŞ C.
Turkish Physical Society 34th International Physics Congress, 5 - 09 September 2018
- XVII. Taşınabilir Cihazlar için Otomatik Anket Oluşturucu Uygulaması**
AKTAŞ C., AYGÜN S., ESEN AYGÜN H., ŞAHİN M.
ULEAD 2017, 27 - 29 April 2017
- XVIII. Chaplygin Gas Solutions In $f(R,T)$ Gravity For Gödel Type Universe Model**
AKTAŞ C.
Turkish Physical Society 33rd International Physics Congress, 6 - 10 September 2017
- XIX. Magnetized Strange Quark Matter Solutions For Marder Type Universe In $f(R,T)$ Theory**
AKTAŞ C., AYGÜN S.
Turkish Physical Society 33rd International Physics Congress, 6 - 10 September 2017
- XX. Lyra Manifoldunda Magnetik Alan Çözümleri**
ÖZCAN K., AKTAŞ C.
ADIM FİZİK GÜNLERİ VI, Turkey, 19 - 21 July 2017
- XXI. Gödel type universe in $f(R,T)$ gravity with quadratic equation of state**
AKTAŞ C., AYGÜN S.
International Conference on Applied Analysis and Mathematical Modeling, 3 - 07 July 2017
- XXII. Magnetized strange quark matter solutions in Lyra Manifold**
AKTAŞ C.
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELLING (ICAAMM2017), 3 - 07 July 2017
- XXIII. Gödel type universe in $f(R,T)$ theory with quadratic equation of state**
AKTAŞ C., AYGÜN S.
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELLING (ICAAMM2017), 3 - 07 July 2017
- XXIV. $f(R,T)$ Teoride Sicim İçeren İdeal Akışkan Çözümleri**
DAL G., AKTAŞ C.
Trakya Üniversiteler Birliği İkinci Lisansüstü Öğrenci Kongresi, Turkey, 15 - 16 May 2017

- XXV. **Creation Field Teoride Yüksek Boyutlu Kaluza-Klein Uzay-Zamanı İçin Bazı Topolojik Kusurlar**
Gültekin N., AKTAŞ C.
TRAKYA ÜNİVERSİTELER BİRLİĞİ LİSANSÜSTÜ ÖĞRENCİ KONGRESİ, Çanakkale, Turkey, 29 - 30 April 2016
- XXVI. **Evrenin İlk Anlarındaki Kuark Gluon Madde**
YILMAZ İ., AKTAŞ C.
XVI. ULUSAL ASTRONOMİ KONGRESİ, Turkey, 8 - 12 September 2008
- XXVII. **Domain wall solutions with quark matter in higher dimensional space-times**
AKTAŞ C., YILMAZ İ., Baysal H., Ayguen M., Demirel C.
6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.137-138
- XXVIII. **Ortogonal Koordinatlarda Cauchy Hareket Denklemi ve Sınır Koşulları**
DEMİR İ., AKTAŞ C.
Türk Matematik Derneği XIV. Ulusal Matematik Sempozyumu, Turkey, 19 - 21 September 2001

Supported Projects

- AKTAŞ C., TAŞ N., Project Supported by Higher Education Institutions, Bazı Topolojik Kusurların Uzay Zaman Geometrisinin $f(R,T)$ Teoride İncelenmesi, 2020 - Continues
- AKTAŞ C., KALKAN S., Project Supported by Higher Education Institutions, Manyetize Acayip Kuark Maddenin $f(R,T)$ Teorideki Davranışı, 2020 - Continues
- AKTAŞ C., KÖMÜRCÜ C., Project Supported by Higher Education Institutions, Homojen Anizotropik Modellerin $f(R,T)$ Teoride İncelenmesi, 2019 - 2020
- AYGÜN S., AKTAŞ C., YILMAZ İ., BAYSAL H., Project Supported by Higher Education Institutions, Tetrad Teoride Kara Delik ve Solucan Delikleri için Enerji Momentum Dağılımlarının Araştırılması, 2018 - 2018
- AKTAŞ C., AYGÜN S., Project Supported by Higher Education Institutions, Çeşitli Topolojik Kusurların $f(R,T)$ Çekim Teorisinde İncelenmesi, 2018 - 2018
- AYGÜN S., AKTAŞ C., YILMAZ İ., Project Supported by Higher Education Institutions, Evrenin İvmelenmesi probleminin $f(R,T)$ gravitasyon teorisinde araştırılması, 2017 - 2017
- AKTAŞ C., AYGÜN S., Project Supported by Higher Education Institutions, Alternatif Gravitasyon Teorilerinde Yeni Çözüm Önerileri Üzerine, 2017 - 2017
- AKTAŞ C., GÜLTEKİN N., Project Supported by Higher Education Institutions, Creation Field Teoride Bazı Topolojik Kusurlar, 2016 - 2016
- AYGÜN S., AKTAŞ C., YILMAZ İ., ŞAHİN M., Project Supported by Higher Education Institutions, Creation Field teori ve evrenin İvmelenmesi probleminin araştırılması, 2016 - 2016
- AKTAŞ C., ŞAHİN M., ESEN H., AYGÜN S., Project Supported by Higher Education Institutions, Taşınabilir Cihazlar İçin Otomatik Anket Oluşturucu Uygulaması, 2015 - 2016
- AKTAŞ C., YILMAZ İ., CAMCI Ç., Project Supported by Higher Education Institutions, Kuark Maddenin Çökmesiyle Kara Delik Oluşumu, 2011 - 2016
- YILMAZ İ., BAYSAL H., TARHAN İ., AKTAŞ C., Project Supported by Higher Education Institutions, Rotasyon Yapan ideal Akışkanlı, skaler alanlı ve ısı akılı kozmolojik Modeller, 2001 - 2006

Scientific Refereeing

- PHYSICA SCRIPTA, SCI Journal, September 2020
- EUROPEAN PHYSICAL JOURNAL C, SCI Journal, August 2020
- MODERN PHYSICS LETTERS A, SCI Journal, July 2020
- PHYSICS OF THE DARK UNIVERSE, SCI Journal, May 2020
- MODERN PHYSICS LETTERS A, SCI Journal, April 2020
- International Journal of Innovative Approaches in Science Research, Other Indexed Journal, January 2020

PHYSICA SCRIPTA, SCI Journal, October 2019

INDIAN JOURNAL OF PHYSICS, SCI Journal, September 2019

INDIAN JOURNAL OF PHYSICS, SCI Journal, July 2019

MODERN PHYSICS LETTERS A, SCI Journal, April 2019

International Journal of Innovative Approaches in Science Research, Other Indexed Journal, March 2019

CLASSICAL AND QUANTUM GRAVITY, SCI Journal, September 2018

Citations

Total Citations (WOS):203

h-index (WOS):9

Awards

Aktaş C., Bölüm Birinciliği, Çanakkale Onsekiz Mart Üniversitesi Fen Edebiyat Fakültesi, Matematik Bölümü, June 1999

Aktaş C., Fakülte İkinciliği, Çanakkale Onsekiz Mart Üniversitesi Fen Edebiyat Fakültesi, June 1999

Aktaş C., Üniversite Üçüncülüğü, Çanakkale Onsekiz Mart Üniversitesi, June 1999