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Personal Information

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Education Information

Postgraduate, Canakkale Onsekiz Mart University, Lisansüstü Eğitim Enstitüsü, İş Sağlığı Ve Güvenliği, Turkey 2019 - 2021

Doctorate, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2013 - 2018

Doctorate, Krakow Jagiellonski Üniversitesi, Astronomy And Astrophysics, Physics, Poland 2015 - 2015

Postgraduate, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2011 - 2013

Undergraduate, Canakkale Onsekiz Mart University, Fen Fakültesi, Fizik, Turkey 2005 - 2011

Foreign Languages

English, B1 Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Yaratıcı Drama ve Eğitimci Eğitimi Sertifikası, Selçuk Üniversitesi / Sürekli Eğitim Uygulama ve Araştırma Merkezi, 2017

Education Management and Planning, Öğrenci Koçluğu ve Eğitim Danışmanlığı Sertifikası, Selçuk Üniversitesi / Sürekli Eğitim Uygulama ve Araştırma Merkezi, 2017

Education Management and Planning, Pedagojik Formasyon Sertifika Belgesi, Çanakkale Onsekiz Mart Üniversitesi / Eğitim Fakültesi, 2016

Education Management and Planning, Feza Gürsey Yaz Okulu, Koç Üniversitesi, 2014

Foreign Language, Zorunlu Yabancı Dil Hazırlık Sınıfı Başarı Belgesi, Çanakkale Onsekiz Mart Üniversitesi / YADEM, 2006

Dissertations

Postgraduate, EXAMINATION OF ULUPINAR OBSERVATORY IN TERMS OF OCCUPATIONAL HEALTH AND SAFETY, Canakkale Onsekiz Mart University, Lisansüstü Eğitim Enstitüsü, İş Sağlığı ve Güvenliği, 2021

Doctorate, Alternatif Gravitasyon Teorilerinde Çeşitli Madde Çözümleri, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Fizik, 2018

Postgraduate, Lyra ve Riemann Geometrilinde Yüksek Boyutlu FRW Evreni İçin Genelleştirilmiş Acayip Quark Madde Çözümleri, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Fizik, 2013

Research Areas

Physics, General Physics, Mathematical Methods in Physics, Relativity and Gravitation, Quantum Mechanics, Fields Theory and Relativity, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Biga Meslek Yüksekokulu, Elektrik ve Enerji, 2019 - Continues
Assistant Professor, National Defense University, Turkish Military Academy, Temel Bilimler, 2018 - 2019

Academic and Administrative Experience

Head of Department, Canakkale Onsekiz Mart University, Biga Meslek Yüksekokulu, Elektrik ve Enerji, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Generalized linearly varying deceleration parameter solutions of higher dimensional universe in $f(R, T)$ theory**
ÇAĞLAR H.
Modern Physics Letters A, vol.39, no.3, 2024 (SCI-Expanded)
- II. **Domain wall with quark matters cosmological models in $f(R, T)$ theory**
Çağlar H., Taşer D., Aygün S.
INDIAN JOURNAL OF PHYSICS, pp.1-9, 2023 (SCI-Expanded)
- III. **Non-existence of Brans-Dicke theory in higher dimensional FRW universe**
ÇAĞLAR H., AYGÜN S.
ASTROPHYSICS AND SPACE SCIENCE, vol.361, no.6, 2016 (SCI-Expanded)
- IV. **String cloud and domain walls with quark matter for a higher dimensional FRW universe in self creation cosmology**
ÇAĞLAR H., AYGÜN S.
CHINESE PHYSICS C, vol.40, no.4, 2016 (SCI-Expanded)
- V. **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 (SCI-Expanded)
- VI. **ENERGY-MOMENTUM DISTRIBUTIONS OF FIVE-DIMENSIONAL HOMOGENEOUS-ANISOTROPIC UNIVERSES**
Dogru M., BAYKAL D., KIY G., TAŞER D., ÇAĞLAR H., VARLIKLI N.
INTERNATIONAL JOURNAL OF MODERN PHYSICS D, vol.21, no.10, 2012 (SCI-Expanded)
- VII. **Energy and Momentum of Higher Dimensional Black Holes**
Dogru M., VARLIKLI N., baykal D., KIY G., TAŞER D., çağlar H., Gunduz E.
INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, vol.51, no.5, pp.1545-1554, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **An Investigation into LRS Bianchi I Universe in Brans-Dicke Theory**
Çağlar H.
Journal of New Theory, no.44, pp.87-96, 2023 (Peer-Reviewed Journal)
- II. **Ulupınar Gözlemevinde Fiziksel Risk Etmenleri Araştırması**
ÇAĞLAR H., AYGÜN S.
International Journal of Innovative Approaches in Science Research, vol.5, 2021 (Peer-Reviewed Journal)
- III. **Higher Dimensional Topological Defect Solutions with Quark Matter in Gravitation Theories**

ÇAĞLAR H., AYGÜN S.

Advance in Astrophysics, pp.83-94, 2017 (Peer-Reviewed Journal)

IV. **Higher Dimensional FRW Universe Solutions in Lyra Geometry**

çağlar H., AYGÜN S., Nalbant G., AKTAŞ C.

Balkan Physics Letters, 2016 (Peer-Reviewed Journal)

V. **Bulk Viscous String Cloud with Strange Quark Matter in Self Creation Cosmology**

Çağlar H., Aygün S.

IOSR Journal of Mathematics, no.11, pp.53-59, 2015 (Peer-Reviewed Journal)

VI. **TOTAL ENERGY AND MOMENTUM OF FIVE DIMENSIONAL KALUZA-KLEIN SPACETIME**

BAYKAL D., ULU DOĞRU M., KIY G., TAŞER D., ÇAĞLAR H., VARLIKLI N.

BALKAN PHYSICS LETTERS, vol.20, no.201030, pp.255-268, 2012 (Peer-Reviewed Journal)

VII. **Energy-Momentum Localization of Five Dimensional Kasner-Type Space-Time**

TAŞER D., ULU DOĞRU M., ÇAĞLAR H., VARLIKLI N., BAYKAL D., KIY G.

Balkan Physics Letters, vol.20, no.201021, pp.181-193, 2012 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **NONEXISTENCE SOLUTIONS OF BIANCHI TYPE IV UNIVERSE IN PRESENCE OF SCALAR FIELD**

Çağlar H., Taşer D., Aygün S.

BİLTEK-VII INTERNATIONAL SYMPOSIUM ON CURRENT DEVELOPMENTS IN SCIENCE, TECHNOLOGY AND SOCIAL SCIENCES, Ankara, Turkey, 26 - 27 May 2023, pp.1017-1024

II. **Kuadratik Formda İdeal Akışkan İçeren FRW Evreninin Lyra Teoride İncelenmesi**

Çağlar H., Taşer D., Aygün S.

CUMHURİYET 8TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Ankara, Turkey, 23 April 2023, pp.142-147

III. **$f(R,T)$ Kütleçekim Teorisinde Marder Evreni Çözümleri**

Çağlar H., Taşer D., Aygün S.

CUMHURİYET 8TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES , Ankara, Turkey, 23 April 2023, pp.148-154

IV. **SAEZ-BALLESTER TEORİDE ANİZOTROPİK AKIŞKANLI RUBAN EVRENİNİN İNCELENMESİ**

Çağlar H., Taşer D., Aygün S.

5TH INTERNATIONAL CONGRESS ON LIFE SOCIAL AND HEALTH SCIENCES IN A CHANGING WORLD, İstanbul, Turkey, 26 - 27 March 2022, pp.193-201

V. **Strange Quark Matter Solutions Attached to String in the Ruban Universe**

ÇAĞLAR H., TAŞER D., AYGÜN S.

VII. ULUSLARARASI BATTALGAZİ BİLİMSEL ÇALIŞMALAR KONGRESİ 2022, Malatya, Turkey, 28 - 29 January 2022

VI. **INVESTIGATION OF ULUPINAR OBSERVATORY IN TERMS OF AIR QUALITY**

Çağlar H., Aygün S.

II. International Science and Innovation Congress, Ankara, Turkey, 25 - 27 June 2021, pp.138-145

VII. **NON-EXISTENCE SOLUTIONS OF $f(R,T)$ GRAVITATION THEORY IN BIANCHI TYPE IV UNIVERSE MODEL**

Aygün S., Çağlar H.

II. International Science and Innovation Congress, Ankara, Turkey, 25 - 27 July 2021, pp.133-137

VIII. **Ulupınar Gözlemevinin Hava Kalitesi Bakımından İncelenme**

ÇAĞLAR H., AYGÜN S.

II. International Science and Innovation Congress 2021, Turkey, 25 - 27 June 2021

IX. **Bulk Viscous String Cloud with Strange Quark Matter in Lyra Geometry for Ruban Univ**

ÇAĞLAR H.

International Conference on Research in Natural and Engineering Sciences, Konya, Turkey, 14 - 15 November 2020

X. **Solutions of Ruban Universe in $f(R,T)$ Gravitation Theory with Cosmological Constant (Λ)**

Çağlar H.

2nd Hezarfen International Congress of Science, Mathematics and Engineering, Antalya, Turkey, 25 - 26 September 2020, pp.37-45

XI. String Cloud Solutions in $f(R,T)$ Gravity

ÇAĞLAR H., AYGÜN S.

Türk Fizik derneği 35. Uluslar arası Fizik kongresi, 4 - 08 September 2019

XII. Quadratic Equation of State Solutions for Bianchi type-V Universe Model in $f(R,T)$ Gravity

Çağlar H.

Turkish Physical Society 35th International Physics Congress, Muğla, Turkey, 4 - 08 September 2019, no.2178

XIII. Higher Dimensional FRW Universe Solutions in Creation Field Cosmology

ÇAĞLAR H., AYGÜN S.

32nd International Physics Congress of Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 09 September 2016, vol.1815

XIV. Bianchi type-I Universe in $f(R, T)$ Modified Gravity with Quark Matter and A

ÇAĞLAR H., AYGÜN S.

32nd International Physics Congress of Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 09 September 2016, vol.1815

XV. Higher Dimensional FRW Universe Solutions in Lyra Geometry

ÇAĞLAR H., AYGÜN S., AKTAŞ C., Nalbant G.

Turkish Physical Society 30th International Physics Congress, Turkey, 2 - 06 September 2013, pp.212-219

XVI. Energy Momentum Localization of Five Dimensional Kasner-Type Space-Time

TAŞER D., ULU DOĞRU M., ÇAĞLAR H., VARLIKLI N., BAYKAL D., KIY G.

Turkish Physical Society 28th International Physics Congress, Muğla, Turkey, 6 - 09 September 2016, no.20, pp.181-193

XVII. Exact Solutions of Bulk Viscous With String Cloud Attached to Strange Quark Matter For Higher Dimensional FRW Universe in Lyra Geometry

ÇAĞLAR H., AYGÜN S.

9th International Physics Conference of the Balkan-Physical-Union (BPU), İstanbul, Turkey, 24 - 27 August 2015, vol.1722

XVIII. LRS Bianchi I Model with Strange Quark Matter Attached to String Cloud in Brans-Dicke Theory

AYGÜN S., ÇAĞLAR H.

31th International Physics Congress of Turkish-Physical-Society (TPS), Muğla, Turkey, 21 - 24 July 2014, pp.129-137

XIX. Energy-Momentum Localization Problem in Higher and Lower Dimensional Quasi-Spherical Szekeres Space-Time Models

AYGÜN S., ÇAĞLAR H.

30th International Physics Congress of Turkish-Physical-Society (TPS), İstanbul, Turkey, 2 - 05 September 2013, pp.1

XX. Energy-Momentum Localization of Five Dimensional Kasner-Type Space-Time

ÇAĞLAR H., TAŞER D., ULU DOĞRU M., KIY G., Baykal D., VARLIKLI N.

Turkish Physical Society 29th International Physics Congress, Muğla, Turkey, 5 - 09 September 2011

XXI. TOTAL ENERGY AND MOMENTUM OF FIVE DIMENSIONAL KALUZA-KLEIN SPACE-TIME

BAYKAL D., ULU DOĞRU M., KIY G., TAŞER D., ÇAĞLAR H., VARLIKLI N.

Turkish Physical Society 28th International Physics Congress, Muğla, Turkey, 6 - 09 September 2011, no.20, pp.255-268

Supported Projects

ÇAĞLAR H., AYGÜN S., TAŞER D., Project Supported by Higher Education Institutions, Alternatif Kütleçekim Teorilerinde Çeşitli Evren Modellerinin İncelenmesi, 2021 - 2023

AYGÜN S., Çağlar H., Project Supported by Higher Education Institutions, Ulupınar Gözlemevinin İş Sağlığı ve Güvenliği Açısından İncelenmesi, 2020 - 2021

Metrics

Publication: 36

Citation (WoS): 40

Citation (Scopus): 50

H-Index (WoS): 4

H-Index (Scopus): 6

Non Academic Experience

University, Çanakkale Onsekiz Mart Üniversitesi, Tiyatro Topluluğu