

## Asst. Prof. HALİFE ÇAĞLAR

### Personal Information

Email: halife@comu.edu.tr

### International Researcher IDs

ORCID: 0000-0003-2877-1221

Yoksis Researcher ID: 308304

### 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 Geometrilerinde 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. **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)
- II. **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)
- III. **Quark and strange quark matter solutions for higher dimensional FRW universe in Lyra geometry**  
AYGÜN S., CAĞLAR H., TASER D., AKTAŞ C.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.130, no.1, 2015 (SCI-Expanded)
- IV. **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)
- V. **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. **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)
- II. **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. **String Cloud Solutions in  $f(R,T)$  Gravity**  
ÇAĞLAR H., AYGÜN S.  
Türk Fizik derneği 35. Uluslar arası Fizik kongresi, 4 - 08 September 2019
- II. **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

- III. **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
- IV. **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
- V. **Higher Dimensional FRW Universe Solutions in Creation Field Cosmology**  
ÇAĞLAR H., AYGÜN S.  
32nd International Physics Congress of Turkish-Physical-Society (TPS), Muğla, Turkey, 6 - 09 September 2016, pp.212-219
- VI. **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
- VII. **LRS Binachi 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
- VIII. **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
- IX. **TOTAL ENERGY AND MOMENTUM OF FIVE DIMENSIONAL KALUZA-KLEIN SPACE-TIME**  
baykal d., ULU DOĞRU M., kıy g., TAŞER D., çağlar h., VARLIKLI N.  
Turkish Physical Society 28th International Physics Congress, Muğla, Turkey, 06 September 2011 - 09 September 2016, no.20, pp.255-268
- X. **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 - Continues

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

## Metrics

Publication: 27

Citation (WoS): 39

Citation (Scopus): 41

H-Index (WoS): 4

H-Index (Scopus): 5

### **Non Academic Experience**

University, Çanakkale Onsekiz Mart Üniversitesi, Tiyatro Topluluğu