

## Assoc. Prof. DOĐUKAN TAŐER

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2013 - 2017

Doctorate, Nicolaus Copernicus University, Faculty Of Physics, Astronomy And Informatics , Physics, Poland 2015 - 2015

Postgraduate, Pedagogical University Of Cracow, Institute Of Physics , Physics, Poland 2013 - 2013

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

Undergraduate, Canakkale Onsekiz Mart University, Fen Fakóltesi, Fizik, Turkey 2005 - 2010

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Education Management and Planning, Feza Gürsey Yaz Okulları, BoĐaziçi Üniversitesi / Feza Gürsey Fizik ve Matematik Uygulama ve Arařtırma Merkezi, 2014

Education Management and Planning, How to Publish a Scientific Journal Article, Springer, 2014

Education Management and Planning, "Hedef Belirleme" - "İletiřim ve Yönetim Sanatı, İndus Danıřmalık, 2008

### Dissertations

Doctorate,  $f(R)$  GRAVİTASYON TEORİSİNDE KONFORMAL SİMETRİYE SAHİP BAZI UZAY-ZAMANLAR VE MADDE DAĐILIMLARI, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Fizik, 2017

Postgraduate,  $f(R)$  GRAVİTASYON TEORİSİNDE MADDE-GEOMETRİ İLİŐKİLERİ, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Fizik, 2013

### Research Areas

Physics, Astronomy and Astrophysics, Relativity and Gravitation, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Çan Meslek Yüksekokulu, Elektrik ve Enerji, 2018 - Continues

## Academic and Administrative Experience

Head of Department, Canakkale Onsekiz Mart University, Çan Meslek Yüksekokulu, Elektrik ve Enerji, 2022 - Continues

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

- I. **Conformal wormholes in  $f(R, L, m)$  theory**  
TAŞER D., ULU DOĞRU M., Eraslan E., Aydın H.  
Physica Scripta, vol.99, no.7, 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. **Compact stars in  $\kappa(R, T)$  gravity**  
TAŞER D., DOĞRU S. S.  
Astrophysics and Space Science, vol.368, no.6, 2023 (SCI-Expanded)
- IV. **Unimodular  $f(G, T)$  gravity**  
ULU DOĞRU M., Aydın H., TAŞER D.  
International Journal of Geometric Methods in Modern Physics, vol.20, no.5, 2023 (SCI-Expanded)
- V. **Kantowski-Sachs model in non-minimally coupled scalar theory**  
TAŞER D., Dogru M., Aydın H.  
International Journal of Geometric Methods in Modern Physics, vol.19, no.9, 2022 (SCI-Expanded)
- VI. **Einstein–Rosen universe with scalar field in  $f(R, T)$  theories**  
Taser D., ULU DOĞRU M.  
New Astronomy, vol.86, 2021 (SCI-Expanded)
- VII. **Scalar fields in  $f(G)$  gravity**  
Taşer D., Dogru M.  
International Journal of Geometric Methods in Modern Physics, vol.17, no.9, 2020 (SCI-Expanded)
- VIII. **Conformally symmetric Friedmann-Robertson-Walker metric in  $f(R, T)$  gravity**  
TAŞER D.  
MODERN PHYSICS LETTERS A, vol.35, no.10, 2020 (SCI-Expanded)
- IX. **Conformal symmetric Bianchi type-I cosmologies in  $f(R)$  gravity**  
TAŞER D., Dogru M.  
MODERN PHYSICS LETTERS A, vol.33, no.23, 2018 (SCI-Expanded)
- X. **Conformal and traversable wormholes with monopole and perfect fluid in  $f(R)$ -gravity**  
TAŞER D., ULU DOĞRU M.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS D, vol.25, no.2, 2016 (SCI-Expanded)
- XI. **Global monopoles in  $f(R)$  gravity**  
ULU DOĞRU M., Taser D.  
MODERN PHYSICS LETTERS A, vol.30, no.40, 2015 (SCI-Expanded)
- XII. **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)
- XIII. **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)
- XIV. **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. **Anisotropic Conformal Model in  $f(R,\phi)$  Theory**  
Taşer D.  
Journal of New Theory, no.38, pp.70-78, 2022 (Peer-Reviewed Journal)
- II.  **$f(R)$  Gravitasyon Teorisinde Toz Bulutlu Konformal Düz Uzay-Zamanlar**  
TAŞER D.  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, pp.59-65, 2019 (Peer-Reviewed Journal)
- III. **Spherically Symmetric Electromagnetic Field and Chaplygin Gas with Conformal Motion in  $f(R)$  Gravity**  
TAŞER D., ULU DOĞRU M.  
AIP Conference Proceedings, vol.1722, no.1, pp.100005, 2016 (Peer-Reviewed Journal)
- IV. **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 (Peer-Reviewed Journal)
- V. **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)
- VI. **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)
- VII. **Total Energy and Momentum Five Dimensional Kaluza-Klein Space-Time**  
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)

## Books & Book Chapters

- I. **String Cloud with Strange Quark Matter in Lyra Geometry for Non-Static Universe**  
ÇAĞLAR H., TAŞER D.  
in: New Trends in Science and Mathematics, Berkan Balpetek, Editor, Duvar Publishing, pp.153-161, 2022
- II.  **$f(R,T)$  GRAVITY AND NON-STATIC PLANE SYMMETRIC DOMAIN WALLS**  
TAŞER D., ULU DOĞRU M.  
in: Research & Reviews in Science and Mathematics - May, 2021 Volume 2, AKGÜL Hasan, YÜKSEL Mehmet, KARAMAN Onur, Editor, Gece Kitaplığı, pp.19-35, 2021
- III. **Genel Fizik**  
ULU DOĞRU M., ÖZYURT A., TAŞER D.  
in: ÖĞRETMENLİK ALAN BİLGİSİ- SINIF ÖĞRETMENLİĞİ, Prof.Dr. Sefer ADA, Doç. Dr. Z. Nurdan BAYSAL, Editor, ALAN BİLGİSİ YAYINLARI, pp.751-798, 2014

## 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.  **$f(R,T)$  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-

- III. **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
- IV. **Lyra Geometride Statik Olmayan Düzlemsel Simetrik Model**  
 Taşer D., Ulu Doğru M.  
 5TH INTERNATIONAL NEW YORK ACADEMIC RESEARCH CONGRESS, İstanbul, Turkey, 23 - 24 April 2022, pp.1
- V. **Seaz-Ballester Teoride Anizotropik Akışkanlı Ruban Evreninin İncelenmesi**  
 ÇAĞLAR H., TAŞER D., AYGÜN S.  
 5th International Congress on Life, Social and Health Sciences in a Changing World, 26 - 27 March 2022
- VI. **Non Existence of Traversable Zero Tidal Wormhole in Lyra Geometry**  
 Taşer D., Ulu Doğru M.  
 5TH INTERNATIONAL CONGRESS ON LIFE SOCIAL AND HEALTH SCIENCES IN A CHANGING WORLD, İstanbul, Turkey, 26 - 27 March 2022, pp.117
- VII. **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
- VIII. **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
- IX. **RUBAN EVRENİNDE SİCİME İLİŞTİRİLMİŞ ACAYİP KUARK MADDE ÇÖZÜMLERİ**  
 Çağlar H., Taşer D., Aygün S.  
 VII. INTERNATIONAL BATTALGAZİ SCIENTIFIC STUDIES CONGRESS, Malatya, Turkey, 28 - 29 January 2022, pp.235-246
- X.  **$f(R,T)$  Gravitasyon Teori Kapsamında Bianchi Tip-V Evreninin Skaler Alan Varlığında İncelenmesi**  
 Taşer D., Ulu Doğru M.  
 4. International Congress of Academic Research, Bolu, Turkey, 7 - 09 December 2020, pp.310-317
- XI. **Lyra Geometri Kapsamında Einstein-Rosen Evreninin Vakum Durumunda İncelemesi**  
 Taşer D., Ulu Doğru M.  
 International Conference on Research in Natural and Engineering Sciences, Konya, Turkey, 14 - 15 November 2020, pp.50-56
- XII. **Saez-Ballester Teoride Domain Wall Bulunan Einstein-Rosen Evreni**  
 Taşer D., Ulu Doğru M.  
 2nd HEZARFEN International Congress of Science, Mathematics and Engineering, Antalya, Turkey, 25 - 26 September 2020, pp.58-64
- XIII. **Visser-Kar-Dadhich Wormhole in  $f(R,T)$  gravity**  
 Taşer D.  
 Turkish Physical Society 36th International Physics Congress, Muğla, Turkey, 1 - 05 September 2020, pp.121
- XIV. **Conformal flat model in  $f(R, T)$  gravity**  
 TAŞER D., DOĞRU M. U.  
 Turkish Physical Society 35th International Physics Congress, TPS 2019, Konacik-Bodrum, Turkey, 4 - 08 September 2019, vol.2178
- XV. **Conformally Flat Space-Time with Radiation Matter in  $f(R)$  Theory**  
 TAŞER D., ULU DOĞRU M.  
 Turkish Physical Society 34th International Physics Congress, 5 - 09 September 2018
- XVI. **Friedmann Robertson Walker Universe Admitting Conformal Symmetry in  $f(R)$  Gravity**  
 TAŞER D., ULU DOĞRU M.  
 TÜRK FİZİK DERNEĞİ 32. ULUSLARARASI FİZİK KONGRESİ, 6 - 09 September 2016
- XVII. **Spherically Symmetric Electromagnetic Field and Chaplygin Gas with Conformal Motion in  $f(R)$**

## Gravity

TAŞER D., ULU DOĞRU M.

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

XVIII. **Plane Symmetric String Cosmologies in  $f(R)$  Gravity**

TAŞER D., ULU DOĞRU M.

Turkish Physical Society 31th International Physics Congress, 21 - 24 July 2014

XIX. **The Spherically Symmetric Universe with Monopole and Electric Field in the Framework of  $f(R)$  Gravity**

TAŞER D., ULU DOĞRU M.

Turkish Physical Society 30th International Physics Congress, 2 - 05 September 2013

XX. **The Exact Solution of Gödel Universe in  $F(R)$  Theory**

ULU DOĞRU M., TAŞER D.

Türk Fizik Derneği 29. Uluslar arası Fizik Kongresi-2012, 5 - 08 September 2012

XXI.  **$f(R)$  Gravitasyon Teorisi ve Statik Gödel Evreninde Vakum Uygulamaları**

TAŞER D., ULU DOĞRU M.

İzmir Genç Fizikçiler Kongresi, GEFİK-2012, Turkey, 13 - 15 June 2012

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

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

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

## Supported Projects

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

TAŞER D., ULU DOĞRU M., Project Supported by Higher Education Institutions,  $f(G)$  Gravitasyon Teorisinde Madde ve Geometri İlişkileri, 2019 - 2021

Doğru S. S., Ulu Doğru M., Beceren E. M., Çelik N., Eren S., Taşer D., Project Supported by Other Private Institutions, Düzensiz Yüzeyle Kübik Yapı Üzerine Projeksiyon Görüntüleme ve Yönetim Sistemi, 2019 - 2020

## Activities in Scientific Journals

Journal of advanced research in natural and applied sciences (Online), Editor, 2021 - Continues

## Scientific Refereeing

MODERN PHYSICS LETTERS A, SCI Journal, March 2022

## Metrics

Publication: 52

Citation (WoS): 41

Citation (Scopus): 46

H-Index (WoS): 4

H-Index (Scopus): 4