



## Personal Information

Office Phone: [+90 212 455 5700](tel:+902124555700)

Email: [degers@istanbul.edu.tr](mailto:degers@istanbul.edu.tr)

Web: <http://aves.istanbul.edu.tr/degers/>

## International Researcher IDs

ScholarID: MLCz1hkAAAAJ

ORCID: 0000-0002-8842-7302

Publons / Web Of Science ResearcherID: AAE-4852-2020

ScopusID: 56427992600

Yoksis Researcher ID: 113339



## Education Information

Undergraduate, Istanbul University, Open And Distance Education Faculty, Sosyoloji Bölümü, Turkey 2014 - 2018

Doctorate, Istanbul University, Institute of Graduate Studies In Sciences, Fizik Anabilim Dalı Matematiksel Fizik Programı, Turkey 2008 - 2014

Postgraduate, Istanbul University, Institute of Graduate Studies In Sciences, Fizik Anabilim Dalı Matematiksel Fizik Programı, Turkey 2004 - 2008

Undergraduate, Istanbul University, Faculty Of Science, Department Of Physics, Turkey 2000 - 2004

## Foreign Languages

English, B2 Upper Intermediate

## Certificates, Courses and Trainings

Measurement and Evaluation, Eğitiminin Eğitimi, İ.Ü. AUZEF, 2022

Measurement and Evaluation, Eğitiminin Eğitimi, İstanbul Üniversitesi, 2021

Education Management and Planning, Eğitiminin Eğitimi, İ.Ü. Sürekli Eğitim Uygulama ve Araştırma Merkezi, 2019

Education Management and Planning, Kütüphaneciler İçin Taşınır Kayıt ve Yönetim Sistemi Uygulama Eğitimi, İÜ Personel Daire Başkanlığı Hizmet İçi Eğitim Şube Müdürlüğü, 2017

Education Management and Planning, Taşınır Kayıt ve Yönetim Sistemi Uygulama Eğitimi, İÜ Personel Daire Başkanlığı Hizmet İçi Eğitim Şube Müdürlüğü, 2017

Education Management and Planning, Taşınır Kayıt ve Yönetim Sistemi, İÜ Personel Daire Başkanlığı Hizmet İçi Eğitim Şube Müdürlüğü, 2017

Health&Medicine, Temel İlk Yardım Eğitimi / İLK YARDIMCI BELGESİ, Bakırköy Kızılay İlk Yardım Eğitim Merkezi, 2017

Occupational Health and Safety, Arama-Kurtarma-Tahliye Eğitimi, İÜ İş Sağlığı ve Güvenliği Koordinatörlüğü ve İÜ Doğal Afetler Arama Kurtarma Ekibi, 2015

## Dissertations

Doctorate, Yüksek Mertebeden Eğrilikli Gravitasyonda Makaslamasız Kozmik Akışkan İddiası, Istanbul University, Institute of Graduate Studies In Sciences, Fizik Anabilim Dalı Matematiksel Fizik Programı, 2014  
Postgraduate, Konvansiyonel Kozmolojinin Tetrad Teoremleri ve Zar-Evren Kozmolojisindeki Benzerleri, Istanbul University, Institute of Graduate Studies In Sciences, Fizik Anabilim Dalı Matematiksel Fizik Programı, 2008

## Research Areas

Physics, Natural Sciences

## Academic Titles / Tasks

Associate Professor, Istanbul University, Faculty of Science, Department of Physics, 2019 - Continues  
Assistant Professor, Istanbul University, Faculty of Science, Department of Physics, 2018 - 2019  
Research Assistant PhD, Istanbul University, Faculty of Science, Department of Physics, 2014 - 2018  
Research Assistant, Istanbul University, Faculty of Science, Department of Physics, 2006 - 2014

## Academic and Administrative Experience

Deputy Head of Department, Istanbul University, Faculty Of Science, Department Of Physics, 2019 - 2020  
İstanbul Üniversitesi, İstanbul Üniversitesi, Yurtdışından Veya Yabancı Uyruklu Öğrenci Sınavı (İüyös-2017) Soru Değerlendirme Matematik Komisyonu, 2016 - 2017  
İstanbul Üniversitesi, İstanbul Üniversitesi, Yurtdışından Veya Yabancı Uyruklu Öğrenci Sınavı (İüyös-2016) Soru Değerlendirme Matematik Komisyonu, 2015 - 2016  
İstanbul Üniversitesi, İstanbul Üniversitesi, Yurtdışından Veya Yabancı Uyruklu Öğrenci Sınavı (İüyös-2015) Soru Değerlendirme Matematik Komisyonu, 2015 - 2015  
İstanbul Üniversitesi, İstanbul Üniversitesi, Yurtdışından Veya Yabancı Uyruklu Öğrenci Sınavı (İüyös-2014) Soru Değerlendirme Matematik Komisyonu, 2014 - 2014  
İstanbul Üniversitesi, İstanbul Üniversitesi, Yurtdışından Veya Yabancı Uyruklu Öğrenci Sınavı Alan Değerlendirme Komisyonu, 2013 - 2013

## Courses

Differential Equations in Physics, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022  
KİŞİSEL PROJE IV, Undergraduate, 2021 - 2022  
Cosmology, Postgraduate, 2021 - 2022  
Differential Equations in Physics, Undergraduate, 2022 - 2023  
Mathematical Methods in Physics, Undergraduate, 2021 - 2022  
Temel Fizik, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020  
Special Project II (YÖK-TEBİP High Performers Program) , Undergraduate, 2019 - 2020  
Reading and Translation in Science II, Undergraduate, 2019 - 2020  
Advanced Physics Applications, Undergraduate, 2019 - 2020  
Special Project I (YÖK-TEBİP High Performers Program), Undergraduate, 2020 - 2021  
Special Project I (YÖK-TEBİP), Undergraduate, 2019 - 2020  
Calculus III, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Advanced Physics Applications II, Undergraduate, 2019 - 2020  
Electrodynamics, Undergraduate, 2019 - 2020, 2018 - 2019  
Ordinary and Partial Differential Equations, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Mathematical Methods in Physics, Undergraduate, 2019 - 2020

Bitirme Tezi I (YÖK-TEBİP), Undergraduate, 2020 - 2021

İleri Fizik Uygulamaları, Undergraduate, 2019 - 2020

Kişisel Proje I (YÖK-TEBİP Üstün Başarı Sınıfları), Undergraduate, 2018 - 2019

Fizikte Matematik Metodlar, Undergraduate, 2018 - 2019

İleri Fizik Uygulamaları II, Undergraduate, 2018 - 2019

İleri Fizik Uygulamaları-Uygulama, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009

## Advising Theses

Sofuoğlu D., [Investigation of some Parametrizations of Deceleration Parameter in  $f(R,T)$  Theory of Gravity, Postgraduate, D.KÖSEM(Student), 2023

Sofuoğlu D., Anisotropic Solutions in  $f(R,T)$  Theory of Gravity, Postgraduate, M.ÖZANSOY(Student), 2022

## Jury Memberships

Doctorate, Doctorate, Mbarara University of Science and Technology, March, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Üniversitesi, February, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Üniversitesi, February, 2024

Post Graduate, Post Graduate, İstanbul Yeni Yüzyıl Üniversitesi, January, 2024

Post Graduate, Post Graduate, İstanbul Üniversitesi, June, 2023

Post Graduate, Post Graduate, Çanakkale Onsekiz Mart Üniversitesi, June, 2023

Doctoral Examination, Doctoral Examination, İstanbul Üniversitesi, January, 2023

Doctoral Examination, Doctoral Examination, Çanakkale Onsekiz Mart Üniversitesi, July, 2022

Post Graduate, Post Graduate, İstanbul Üniversitesi, June, 2022

Doctoral Examination, Doctoral Examination, İstanbul Üniversitesi, June, 2022

Doctorate, Doctorate, İstanbul Üniversitesi, February, 2022

Doctoral Examination, Doctoral Examination, Çanakkale Onsekiz Mart Üniversitesi, January, 2022

Doctoral Examination, Doctoral Examination, Çanakkale Onsekiz Mart Üniversitesi, January, 2022

Post Graduate, Post Graduate, İstanbul Üniversitesi, December, 2021

Doctorate, Doctorate, İstanbul Üniversitesi, October, 2021

Doctorate, Doctorate, Çanakkale Onsekiz Mart Üniversitesi, August, 2021

Post Graduate, Post Graduate, North-West University, July, 2021

Post Graduate, Post Graduate, North-West University, May, 2021

Competition, BAYER 7. Liseler Arası Bilim Yarışması Jürisi, 2021, BAYER, May, 2021

Doctoral Examination, Doctoral Examination, İstanbul Üniversitesi, January, 2021

Doctoral Examination, Doctoral Examination, İstanbul Üniversitesi, January, 2021

Post Graduate, Post Graduate, Çanakkale Onsekiz Mart Üniversitesi, July, 2020

Post Graduate, Post Graduate, Çanakkale Onsekiz Mart Üniversitesi, July, 2020

Post Graduate, Post Graduate, Çanakkale Onsekiz Mart Üniversitesi, July, 2020

Competition, BAYER 6. Liseler Arası Bilim Yarışması Jürisi, 2020, BAYER, May, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Üniversitesi, April, 2020

Post Graduate, Post Graduate, Çanakkale Onsekiz Mart Üniversitesi, April, 2020

Post Graduate, Post Graduate, Çanakkale Onsekiz Mart Üniversitesi, January, 2020

Post Graduate, Post Graduate, Çanakkale Onsekiz Mart Üniversitesi, January, 2020

Post Graduate, Tez Savunma Jürisi, Çanakkale Onsekiz Mart Üniversitesi, Fen Bilimleri Enstitüsü, August, 2019  
Post Graduate, Tez Savunma Jürisi, Çanakkale Onsekiz Mart Üniversitesi, Fen Bilimleri Enstitüsü, August, 2019  
Post Graduate, Tez Savunma Jürisi, Çanakkale Onsekiz Mart Üniversitesi, Fen Bilimleri Enstitüsü, August, 2019  
Post Graduate, Tez Savunma Jürisi, Çanakkale Onsekiz Mart Üniversitesi, Fen Bilimleri Enstitüsü, August, 2019  
Post Graduate, Tez Savunma Jürisi, Çanakkale Onsekiz Mart Üniversitesi, Fen Bilimleri Enstitüsü, January, 2019  
Doctorate, Tez Savunma Jürisi, Çanakkale Onsekiz Mart Üniversitesi, Fen Bilimleri Enstitüsü, June, 2018  
Doctoral Examination, Doktora Yeterlik Jürisi, Çanakkale Onsekiz Mart Üniversitesi, Fen Bilimleri Enstitüsü, June, 2018  
Post Graduate, Tez Savunma Jürisi, Çanakkale Onsekiz Mart Üniversitesi, Fen Bilimleri Enstitüsü, June, 2018  
Competition, Proje Değerlendirme Jüri Üyesi, İstanbul Çevre Okulları, April, 2007

## Designed Lessons

Sofuoğlu D., Introduction to Modified Gravity Theories, Doctorate, 2022 - 2023

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

- I. **Imprints of cloud of strings and quintessence field on compact stellar configurations**  
Ditta A., Asia M., Mustafa G., Sofuoğlu D., Mahmood A.  
PHYSICA SCRIPTA, vol.99, pp.1-15, 2024 (SCI-Expanded)
- II. **Quasi-periodic oscillations and particle motion around charged black hole surrounded by a cloud of strings and quintessence field in Rastall gravity**  
Ashraf A., Ditta A., Sofuoğlu D., Ma W., Javed F., Atamurotov F., Mahmood A.  
PHYSICA SCRIPTA, vol.99, pp.1-18, 2024 (SCI-Expanded)
- III. **Thermal analysis of charged Symmergent black hole with logarithmic correction**  
Ditta A., Javed F., Mustafa G., Maurya S., SOFUOĞLU D., Atamurotov F.  
Chinese Journal of Physics, vol.88, pp.287-300, 2024 (SCI-Expanded)
- IV. **Study on physical properties and maximum mass limit of Finch–Skea anisotropic model under Karmarkar condition in  $f(Q)$ -gravity**  
Mustafa G., Ditta A., Mumtaz S., Maurya S., SOFUOĞLU D.  
Chinese Journal of Physics, vol.88, pp.938-954, 2024 (SCI-Expanded)
- V. **FLRW universe in Weyl type  $f(Q,T)$  gravity with variable  $q$**   
Shukla B. K., Tiwari R. K., Sofuoğlu D., Beesham A.  
MODERN PHYSICS LETTERS A, vol.39, no.5, pp.1-27, 2024 (SCI-Expanded)
- VI. **Cosmology with the late time isotropy of the Bianchi type I model in  $f(R, T)$  theory**  
Shukla B. K., Tiwari R. K., Beesham A., Sofuoğlu D.  
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.21, no.3, pp.1-16, 2024 (SCI-Expanded)
- VII. **Novel Approach of Hubble parameter in  $f(R, T^\alpha \varphi)$  gravity**  
Shukla B. K., Sofuoğlu D., Mishra P.  
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.21, no.6, pp.1-24, 2023 (SCI-Expanded)
- VIII. **A comprehensive parametrization approach for the Hubble parameter in scalar field dark energy models**  
Koussour M., Myrzakulov N., Myrzakulova S., Sofuoğlu D.  
Results in Physics, vol.55, no.107166, pp.1-8, 2023 (SCI-Expanded)
- IX. **Square-Root parametrization of dark energy in  $f(Q)$  cosmology**  
Koussour M., Myrzakulov N., Sofuoğlu D., Alfedee A. H., Hassan E., Mirgani S. M.  
COMMUNICATIONS IN THEORETICAL PHYSICS, vol.75, no.125403, pp.1-10, 2023 (SCI-Expanded)
- X. **Jerk Parameter and Modified Theory**

SOFUOĞLU D., Beesham A.

UNIVERSE, vol.9, no.10, pp.1-24, 2023 (SCI-Expanded)

- XI. **Cosmographic implications of  $f(R,T)$  gravitation**  
Sofuoğlu D., Alfedeel A. H. A., Abebe A.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.138, no.8, pp.1-8, 2023 (SCI-Expanded)
- XII. **Observational Constraints on a Transit cosmological Model in  $f(R,G)$  Gravity**  
Shukla B. K., Tiwari R. K., Sofuoglu D.  
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.20, no.12, pp.23502101-235021018, 2023 (SCI-Expanded)
- XIII. **Observational constraints on the cubic parametrization of the deceleration parameter in  $f(R,T)$  gravity**  
Sofuoğlu D., Baysal H., Tiwari R. K.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.138, no.550, pp.1-14, 2023 (SCI-Expanded)
- XIV. **A Transition Model in  $f(R, T)$  Theory via Observational Constraints**  
Tiwari R. K., Shukla B. K., Sofuoğlu D., Kösem D.  
SYMMETRY, vol.15, no.788, pp.1-13, 2023 (SCI-Expanded)
- XV. **Role of Constant Jerk Parameter in  $f(R,T)$  Gravity**  
Tiwari R. K., Kumar S., Dubey V. K., Sofuoglu D.  
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.20, no.3, pp.1-12, 2023 (SCI-Expanded)
- XVI. **Perturbations in Bianchi-V Spacetimes with Varying  $L$ ,  $G$  and Viscous Fluids**  
Abebe A., Alfedeel A. H. A., Sofuoglu D., Hassan E. I., Tiwari R. K.  
UNIVERSE, vol.9, no.61, pp.1-19, 2023 (SCI-Expanded)
- XVII. **A cosmological model with time dependent  $\Lambda$ ,  $G$  and viscous fluid in General Relativity**  
Tiwari R. K., H. Alfedel A., Sofuoğlu D., Abebe A., Hassan E. I., Shukla B. K.  
Frontiers in Astronomy and Space Sciences, vol.9, no.965652, pp.1-8, 2022 (SCI-Expanded)
- XVIII. **Non-minimally coupled transit cosmology in  $f(R, T)$  gravity**  
Tiwari R., Sofuoğlu D., Isik R., Shukla B. K., Baysazan E.  
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.19, no.08, pp.22501181-225011812, 2022 (SCI-Expanded)
- XIX. **Anisotropic model with constant jerk parameter in  $f(R,T)$  gravity**  
Tiwari R., Sofuoğlu D., Mishra S. K., Beesham A.  
GRAVITATION AND COSMOLOGY, vol.28, no.2, pp.196-203, 2022 (SCI-Expanded)
- XX. **A numerical analysis for FRW universe in  $f(R,T)$  gravity**  
Sofuoğlu D., Akilli M.  
International Journal Of Modern Physics D, vol.31, no.2, pp.1-14, 2022 (SCI-Expanded)
- XXI. **FRW universe in  $f(R, T)$  gravity**  
Tiwari R., Sofuoğlu D., Beesham A.  
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.18, no.7, 2021 (SCI-Expanded)
- XXII. **Accelerating universe with varying  $\Lambda$  in  $f(R, T)$  theory of gravity**  
Tiwari R. K., SOFUOĞLU D., Mishra S. K.  
NEW ASTRONOMY, vol.83, 2021 (SCI-Expanded)
- XXIII. **The dynamical analysis of the LRS Bianchi type IV cosmological model**  
Akilli M., SOFUOĞLU D., Yilmaz N.  
CHINESE JOURNAL OF PHYSICS, vol.67, pp.482-491, 2020 (SCI-Expanded)
- XXIV. **Phase transition of LRS Bianchi type-I cosmological model in  $f(R, T)$  gravity**  
Tiwari R. K., SOFUOĞLU D., Dubey V. K.  
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.17, no.12, 2020 (SCI-Expanded)
- XXV. **Quadratically varying deceleration parameter in  $f(R, T)$  gravity**  
Tiwari R. K., SOFUOĞLU D.  
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.17, no.10, 2020 (SCI-Expanded)

- XXVI. **Godel universe in  $f(R,T)$  gravity**  
Sofuoğlu D.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS D, vol.28, no.7, 2019 (SCI-Expanded)
- XXVII. **LRS Bianchi type IV space-time with anisotropic fluid**  
Sofuoğlu D.  
CHINESE JOURNAL OF PHYSICS, vol.57, pp.226-239, 2019 (SCI-Expanded)
- XXVIII. **Rotating and expanding Bianchi type-IX model in  $f(R, T)$  theory of gravity**  
Sofuoğlu D.  
ASTROPHYSICS AND SPACE SCIENCE, vol.361, no.1, 2016 (SCI-Expanded)
- XXIX. **Investigations of  $f(R)$ -gravity counterparts of the general relativistic shear-free conjecture by illustrative examples**  
Sofuoğlu D., Mutus H.  
GENERAL RELATIVITY AND GRAVITATION, vol.46, no.12, 2014 (SCI-Expanded)

## Articles Published in Other Journals

- I. **FLRW UNIVERSE IN  $f(R, L_m)$  GRAVITY WITH EQUATION OF STATE PARAMETER**  
Shukla B. K., Tiwari R., Sofuoğlu D., Beesham A.  
East European Journal of Physics, vol.4, pp.376-389, 2023 (ESCI)
- II.  **$f(R, T)$  Gravity and Constant Jerk Parameter in FLRW Spacetime**  
Sofuoğlu D., Beesham A.  
Physical Sciences Forum(MDPI), vol.1, no.0, pp.1-6, 2023 (Peer-Reviewed Journal)
- III. **Rotating Bianchi Type-II Model in  $\kappa(R, T)$  Theory**  
Sofuoğlu D., Ateş O. B.  
PARAKH Journal of Multidisciplinary advanced Research , vol.5, no.2, pp.24-26, 2022 (Peer-Reviewed Journal)
- IV. **Rotating Universe Models in  $\kappa(R, T)$  Gravity Theory**  
Sofuoğlu D., Baysazan E.  
PARAKH Journal of Multidisciplinary advanced Research, vol.5, no.2, pp.44-47, 2022 (Peer-Reviewed Journal)
- V. **The Cosmology of a Non-Minimally Coupled  $f(R, T)$  Gravitation**  
Sofuoğlu D., Tiwari R., Abebe A., H. A. Alfedee A., I. Hassan E.  
Physics, vol.4, no.4, pp.1348-1358, 2022 (ESCI)
- VI. **Bianchi-type I cosmological model with variable  $\Lambda$  in  $f(R, T)$  Gravity**  
Sofuoğlu D., Tiwari R. K., Tiwari S. S.  
PARAKH, vol.4, no.1, pp.17-25, 2022 (Peer-Reviewed Journal)
- VII. **Time Varying Deceleration Parameter in  $f(R, T)$  Gravity**  
Tiwari R. K., Mishra S. K., Mishra S. K., Sofuoğlu D.  
Journal of Applied Mathematics and Physics, vol.9, pp.847-855, 2021 (Peer-Reviewed Journal)
- VIII. **Bianchi Type-V Cosmology with Gamma Law EoS in  $f(R, T)$  Gravity**  
Açan Yıldız G. D., Güdekli E., Sofuoğlu D.  
BOOK OF FULL TEXT PROCEEDINGS TURKISH PHYSICAL SOCIETY 35th INTERNATIONAL PHYSICS CONGRESS (TPS-35), no.1, pp.427-431, 2019 (Peer-Reviewed Journal)
- IX. **Bianchi-Type I Universe With Dust Matter in  $f(R, T)$  Gravity**  
ERDEN N. Ü., SOFUOĞLU D.  
BOOK OF FULL TEXT PROCEEDINGS TURKISH PHYSICAL SOCIETY 35th INTERNATIONAL PHYSICS CONGRESS (TPS-35), no.1, pp.406-410, 2019 (Peer-Reviewed Journal)
- X. **Power-Law Solution in  $f(G, T)$  Gravity**  
SOFUOĞLU D., GÜDEKLİ E.  
BOOK OF FULL TEXT PROCEEDINGS TURKISH PHYSICAL SOCIETY 35th INTERNATIONAL PHYSICS CONGRESS (TPS-35), no.1, pp.420-426, 2019 (Peer-Reviewed Journal)
- XI. **Examination of Bianchi Type -VI0- for Dark Energy in  $f(R, T)=R+\alpha T$  Gravity**

ÇİL B., KARA E., GÜDEKLİ E., SOFUOĞLU D.

BOOK OF FULL TEXT PROCEEDINGS TURKISH PHYSICAL SOCIETY 35th INTERNATIONAL PHYSICS CONGRESS (TPS-35), no.1, pp.469-473, 2019 (Peer-Reviewed Journal)

**XII. Investigation of Bianchi Type-V Dark Energy Cosmological Models in  $F(R,T)$  Gravity**

KARA E., ÇİL B., GÜDEKLİ E., SOFUOĞLU D.

BOOK OF FULL TEXT PROCEEDINGS TURKISH PHYSICAL SOCIETY 35th INTERNATIONAL PHYSICS CONGRESS (TPS-35), no.1, pp.554-558, 2019 (Peer-Reviewed Journal)

**XIII. LRS Bianchi-Type I Space-Time in  $f(R,T)$  Gravity**

ERDEN N. Ü., SOFUOĞLU D.

BOOK OF FULL TEXT PROCEEDINGS TURKISH PHYSICAL SOCIETY 35th INTERNATIONAL PHYSICS CONGRESS (TPS-35), no.1, pp.400-405, 2019 (Peer-Reviewed Journal)

**XIV. Cosmological Evolution and Constraint Equations in  $f(G,T)$  Gravity Theory**

Sofuoğlu D., Güdekli E.

BOOK OF FULL TEXT PROCEEDINGS TURKISH PHYSICAL SOCIETY 35th INTERNATIONAL PHYSICS CONGRESS (TPS-35), no.1, pp.411-419, 2019 (Peer-Reviewed Journal)

**XV.  $F(R,T)$  GRAVİTEDE MAKASLAMASIZ MÜKEMMEL AKIŞKAN İDDİASINA İKİNCİ BİR KARŞIT ÖRNEK**

SOFUOĞLU D.  
Dokuz Eylül Üniversitesi Fen ve Mühendislik Dergisi, vol.18, no.54, pp.317-332, 2016 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

**I.  $F(R,T)$  GRAVİTASYON TEORİSİNDE BIANCHI TIP-V EVRENİ**

Özansoy M., Sofuoğlu D.

Yeni Yüzyıl Üniversitesi 9. Bilim Günleri Kongresi, İstanbul, Turkey, 9 - 11 May 2023, pp.1

**II.  $f(R,T)$  Gravitasyon Teorisinde Hiperbolik Yavaşlama Parametrelili Evren Senaryosu**

Kösem D., Sofuoğlu D.

Yeni Yüzyıl Üniversitesi 9. Bilim Günleri Kongresi, İstanbul, Turkey, 9 - 11 May 2023, vol.1, pp.1

**III.  $f(R,T)$  Gravity and Constant Jerk Parameter in FLRW Spacetime**

Sofuoğlu D., Beesham A.

2nd Electronic Conference on Universe\_ECU2023 (session: Gravitation and Cosmology), Basel, Switzerland, 16 February - 02 April 2023, pp.1-5

**IV. THE EFFECT OF THE QUADRATIC DECELERATION PARAMETER ON FRW UNIVERSE IN THE CONTEXT OF  $F(R,T)$  THEORY**

Sofuoğlu D.

National Webinar on Application of Mathematics to Computer Science, Rewa, India, 30 January 2023

**V. A LRS BIANCHI TYPE V SOLUTION OF  $F(R,T)$  GRAVITY**

Sofuoğlu D.

GloRMuS, İstanbul, Turkey, 4 - 07 July 2022, pp.1-6

**VI. INVESTIGATION OF THE EFFECTS OF DECELERATION PARAMETER IN QUADRATIC FORM IN  $F(R,T)$  THEORY**

Sofuoğlu D.

GloRMuS, İstanbul, Turkey, 4 - 07 July 2022, pp.1-7

**VII. A Transit Cosmological Model in  $f(R,T)$  Theory of Gravity**

Baysazan E., Tiwari R. K., Sofuoğlu D.

Turkish Physical Society 37th International Physics Congress, Muğla, Turkey, 1 - 05 September 2021, pp.171

**VIII. BIANCHI TYPE-I UNIVERSE MODEL in  $(R,T)$  GRAVITY**

Sofuoğlu D.

4.ASIA PACIFIC INTERNATIONAL MODERN SCIENCES CONGRESS, Olongapo, Philippines, 12 - 13 December 2020, pp.71-76

**IX. COVARIANT PROPAGATION AND CONSTRAINT EQUATIONS OF  $f(R,T)$  GRAVITY THEORY**

Sofuoğlu D.

4.ASIA PACIFIC INTERNATIONAL MODERN SCIENCES CONGRESS, Olongapo, Philippines, 12 - 13 December 2020, pp.62-70

**X. GÖDEL UNIVERSE IN  $\kappa(R,T)$  GRAVITY THEORY**

Baysazan E., Sofuoğlu D.

Turkish Physical Society 36th International Physics Congress (TPS36), İstanbul, Turkey, 1 - 05 September 2020, vol.2, no.5, pp.89-93

**XI. LRS BIANCHI-TYPE I SPACE-TIME IN  $K(R,T)$  GRAVITY**

ERDEN N. Ü., SOFUOĞLU D.

Turkish Physical Society 35th International Physics Congress, Muğla, Turkey, 4 - 08 September 2019, vol.1, no.1, pp.259

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MUTUŞ H., SOFUOĞLU D., Project Supported by Higher Education Institutions, Yüksek Mertebeden Eğrilikli Gravitasyonda Makaslamasız Kozmik Akışkan İddiası, 2010 - 2015

## Activities in Scientific Journals

"PARAKH" Journal of Multidisciplinary Advanced Research, Advisory Committee Member, 2022 - Continues

International Journal of Multidisciplinary: Applied Business and Education Research, Committee Member, 2020 - Continues

Committee Member, 2018 - Continues

BOOK OF FULL TEXT PROCEEDINGS TURKISH PHYSICAL SOCIETY 38th INTERNATIONAL PHYSICS CONGRESS (TPS-38), Editor, 2022 - 2022

TURKISH PHYSICAL SOCIETY 38th INTERNATIONAL PHYSICS CONGRESS (TPS-38) ABSTRACT BOOK, Editor, 2022 - 2022

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## Memberships / Tasks in Scientific Organizations

Türk Fizik Derneği, Member, 2013 - Continues

## Scientific Refereeing

Journal of Modern Physics, Other Indexed Journal, April 2024

EUROPEAN PHYSICAL JOURNAL PLUS, SCI Journal, April 2024

JOURNAL OF PHYSICS A: MATHEMATICAL AND THEORETICAL, SCI Journal, March 2024

PUNJAB UNIVERSITY JOURNAL OF MATHEMATICS, Journal Indexed in ESCI, March 2024

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International Journal of Astrophysics and Space Science, Other Indexed Journal, September 2017  
Balkan Physics Letters (BPL), Other journals, December 2016

## Scientific Consultations

İ.Ü. Fen Fakültesi Fizik Kulübü 11. Fizik Çalıştayı, Scientific Consultancy, Istanbul University, Faculty Of Science, Department Of Physics, Turkey, 2020 - 2021  
İ.Ü. Fen Fakültesi Fizik Kulübü, Other, Istanbul University, Faculty Of Science, Department Of Physics, Turkey, 2019 - 2021  
TÜBİTAK, Other, Istanbul University, Faculty Of Science, Department Of Physics, Turkey, 2020 - 2020  
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İ.Ü. Fen Fakültesi Fizik Kulübü 10. Fizik Çalıştayı, Scientific Consultancy, Istanbul University, Faculty Of Science, Department Of Physics, Turkey, 2019 - 2020

## Tasks In Event Organizations

Güdekli E., Sofuoğlu D., Turkish Physical Society 39th International Physics Congress, Scientific Congress, Muğla, Turkey, Eylül 2023  
Sofuoğlu D., GÜDEKLİ E., T.C. İSTANBUL YENİ YÜZYIL ÜNİVERSİTESİ 9. BİLİM GÜNLERİ KONGRESİ, Scientific Congress, İstanbul, Turkey, Mayıs 2023  
Sofuoğlu D., Turkish Physical Society 38th International Physics Congress, Scientific Congress, Muğla, Turkey, Eylül 2022  
Sofuoğlu D., Turkish Physical Society 37th International Physics Congress, Scientific Congress, Muğla, Turkey, Eylül 2021  
Sofuoğlu D., ERABC2021: Education Research and Applied Business Conference 2021, Scientific Congress, Philippines, Temmuz 2021  
Sofuoğlu D., İ.Ü. Fen Fakültesi Fizik Kulübü 11. Fizik Çalıştayı, Workshop Organization, İstanbul, Turkey, Şubat 2021  
Sofuoğlu D., Turkish Physical Society 36th International Physics Congress, Scientific Congress, İstanbul, Turkey, Eylül 2020  
Sofuoğlu D., İ.Ü. Fen Fakültesi Fizik Kulübü 10. Fizik Çalıştayı, Workshop Organization, İstanbul, Turkey, Şubat 2020  
Sofuoğlu D., YEFAK / YEPAC 2020 (3. Yüksek Enerji Fiziği, Astrofizik ve Kozmoloji Çalıştayı), Workshop Organization, İstanbul, Turkey, Şubat 2020  
Sofuoğlu D., YEFAK 2019 (2. Yüksek Enerji Fiziği, Astrofizik ve Kozmoloji Çalıştayı), Workshop Organization, İstanbul, Turkey, Ocak 2019  
Sofuoğlu D., YEFAK 2018 (1. Yüksek Enerji Fiziği, Astrofizik ve Kozmoloji Çalıştayı), Workshop Organization, İstanbul, Turkey, Şubat 2018  
Sofuoğlu D., V. İstanbul Üniversitesi Fizik Bölümü Tarihi Sempozyumu: Teorik Fizik Kürsüsü Tarihi, Scientific Congress, İstanbul, Turkey, Mayıs 2010  
Sofuoğlu D., III. İstanbul Üniversitesi Fizik Bölümü Tarihi Sempozyumu: Ultrases Çalışmaları , Scientific Congress, İstanbul, Turkey, Mayıs 2008

## Metrics

Publication: 89  
Citation (WoS): 77  
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## Awards

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