

## Assoc. Prof. Deęer SOFUOęLU



### 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, Eęitiminin Eęitimi, İ.Ü. AUZEF, 2022

Measurement and Evaluation, Eęitiminin Eęitimi, İstanbul Üniversitesi, 2021

Education Management and Planning, Eęitiminin Eęitimi, İ.Ü. Sürekli Eęitim Uygulama ve Araştırma Merkezi, 2019

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

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

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

Health&Medicine, Temel İlk Yardım Eęitimi / İLK YARDIMCI BELGESİ, Bakırköy Kızılay İlk Yardım Eęitim Merkezi, 2017

Occupational Health and Safety, Arama-Kurtarma-Tahliye Eęitimi, İÜ İş Saęlığı ve Güvenlięi 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., KOZMOLOJİK PARAMETRELERİN PARAMETRELEŞTİRİLMESİNİN DEĞİŞTİRİLMİŞ GRAVİTASYON TEORİLERİNDE İNCELENMESİ, Doctorate, M.ÖZANSOY(Student), Continues  
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

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, National University of Rwanda, October, 2024  
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  
Competition, BAYER 7. Liseler Arası Bilim Yarışması Jürisi, 2021, BAYER, May, 2021  
Post Graduate, Post Graduate, North-West University, 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  
Post Graduate, Post Graduate, Çanakkale Onsekiz Mart Üniversitesi, April, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul 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

Post Graduate, Tez Savunma Jürisi, Çanakkale Onsekiz Mart Üniversitesi, Fen Bilimleri Enstitüsü, June, 2018

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

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. **Accelerating universe in  $f(R, L_m)$  gravity**  
Beesham A., Tiwari R., Shukla B., SOFUOĞLU D., Tiwari A.  
Astronomy and Computing, vol.49, 2024 (SCI-Expanded)
- II. **Comparative analysis of dark energy compact stars in  $f(T, T)$  and  $f(T)$  gravity theories via conformally flat condition**  
Ditta A., Mustafa G., Maurya S., SOFUOĞLU D., Mahmood A.  
Classical and Quantum Gravity, vol.41, no.15, 2024 (SCI-Expanded)
- III. **A Brief analysis of isotropic Karmarkar models in modified gravity theory**  
Feng Y., Naseer T., Ashraf A., SOFUOĞLU D., Abdullayeva I.  
Chinese Journal of Physics, vol.90, pp.372-386, 2024 (SCI-Expanded)
- IV. **Analysis of some newly constructed compact models in  $f(R, T)$  theory**  
Feng Y., Naseer T., Ashraf A., SOFUOĞLU D.  
Physica Scripta, vol.99, no.8, 2024 (SCI-Expanded)
- V. **Cosmic evolution in  $f(Q, T)$  gravity with observational constraints: A comparative analysis with  $\Lambda$ CDM**  
Shukla B., SOFUOĞLU D., Chaudhary H., Atamurotov F., Mustafa G.  
Journal of High Energy Astrophysics, vol.43, pp.1-14, 2024 (SCI-Expanded)
- VI. **FRW Universe in  $f(R, G, T)$  gravity theory**  
Shukla B. K., Tiwari R. K., Beesham A., Sofuoğlu D.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS D, vol.33, no.5&6, pp.1-18, 2024 (SCI-Expanded)
- VII. **Novel approach of Hubble parameter in  $\langle f \rangle \langle R \rangle \langle T \rangle \varphi$  gravity**  
Shukla B. K., Sofuoğlu D., Mishra P.  
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.21, no.06, 2024 (SCI-Expanded)
- VIII. **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, no.065009, pp.1-14, 2024 (SCI-Expanded)
- IX. **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, no.065011, pp.1-18, 2024 (SCI-Expanded)

- X. **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)
- XI. **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)
- XII. **FLRW universe in Weyl type  $f(Q, T)$  gravity with variable  $q$**   
Shukla B. K., Tiwari R. K., Beesham A., SOFUOĞLU D.  
MODERN PHYSICS LETTERS A, vol.39, no.05, 2024 (SCI-Expanded)
- XIII. **Accelerating universe in  $f(T)$  teleparallel gravity**  
Shukla B. K., SOFUOĞLU D., Khare S., Alfedeel A. H.  
International Journal of Geometric Methods in Modern Physics, 2024 (SCI-Expanded)
- XIV. **Symmetric teleparallel gravity with variable deceleration parameter**  
Shukla B. K., Tiwari R., Beesham A., SOFUOĞLU D., Mustafa G.  
International Journal of Geometric Methods in Modern Physics, 2024 (SCI-Expanded)
- XV. **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)
- XVI. **Square-root parametrization of dark energy in  $f(Q)$  cosmology**  
Koussour M., Myrzakulov N., Alfedeel A. H. A., Hassan E., SOFUOĞLU D., Mirgani S.  
COMMUNICATIONS IN THEORETICAL PHYSICS, vol.75, no.12, 2023 (SCI-Expanded)
- XVII. **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, 2023 (SCI-Expanded)
- XVIII. **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 (SCI-Expanded)
- XIX. **Jerk Parameter and Modified Theory**  
SOFUOĞLU D., Beesham A.  
UNIVERSE, vol.9, no.10, pp.1-24, 2023 (SCI-Expanded)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)

- XXV. **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)
- XXVI. **A cosmological model with time dependent  $\langle i \rangle f$ ,  $G$  and viscous fluid in general relativity**  
Tiwari R. K., Alfedeel A. H. A., SOFUOĞLU D., Abebe A., Hassan E. I., Shukla B. K.  
FRONTIERS IN ASTRONOMY AND SPACE SCIENCES, vol.9, 2022 (SCI-Expanded)
- XXVII. **Non-minimally coupled transit cosmology in  $\langle i \rangle f$  ( $\langle i \rangle R$ ,  $\langle i \rangle T$ ) gravity**  
Tiwari R. K., SOFUOĞLU D., Isik R., Shukla B. K., Baysazan E.  
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.19, no.08, 2022 (SCI-Expanded)
- XXVIII. **Anisotropic Model with Constant Jerk Parameter in  $\langle i \rangle f$  ( $\langle i \rangle R$ ,  $\langle i \rangle T$ ) Gravity**  
Tiwari R. K., SOFUOĞLU D., Mishra S. K., Beesham A.  
GRAVITATION & COSMOLOGY, vol.28, no.2, pp.196-203, 2022 (SCI-Expanded)
- XXIX. **A numerical analysis for FRW universe in  $\langle i \rangle f$  ( $\langle i \rangle R$ ,  $\langle i \rangle T$ ) gravity**  
SOFUOĞLU D., Akilli M.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS D, vol.31, no.02, 2022 (SCI-Expanded)
- XXX. **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)
- XXXI. **Accelerating universe with varying A in  $f(R, T)$  theory of gravity**  
Tiwari R. K., SOFUOĞLU D., Mishra S. K.  
NEW ASTRONOMY, vol.83, 2021 (SCI-Expanded)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **Godel universe in  $f(R,T)$  gravity**  
Sofuoglu D.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS D, vol.28, no.7, 2019 (SCI-Expanded)
- XXXVI. **LRS Bianchi type IV space-time with anisotropic fluid**  
Sofuoglu D.  
CHINESE JOURNAL OF PHYSICS, vol.57, pp.226-239, 2019 (SCI-Expanded)
- XXXVII. **Rotating and expanding Bianchi type-IX model in  $f(R, T)$  theory of gravity**  
Sofuoglu D.  
ASTROPHYSICS AND SPACE SCIENCE, vol.361, no.1, 2016 (SCI-Expanded)
- XXXVIII. **Investigations of  $\langle i \rangle f$  ( $\langle i \rangle R$ )-gravity counterparts of the general relativistic shear-free conjecture by illustrative examples**  
Sofuoglu D., Mutus H.  
GENERAL RELATIVITY AND GRAVITATION, no.12, 2014 (SCI-Expanded)

## Articles Published in Other Journals

- I.  **$f(R,T)$  Gravity and Constant Jerk Parameter in FLRW Spacetime**  
Sofuoglu D., Beesham A.  
Physical Sciences Forum(MDPI), vol.1, no.0, pp.1-6, 2023 (Peer-Reviewed Journal)
- II. **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)

- III. **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)
- IV. **The Cosmology of a Non-Minimally Coupled  $f(R,T)$  Gravitation**  
Sofuoğlu D., Tiwari R., Abebe A., H. A. Alfedeel A., I. Hassan E.  
Physics, vol.4, no.4, pp.1348-1358, 2022 (ESCI)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- 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. **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)
- XII. **Examination of Bianchi Type -VI0- for Dark Energy in  $f(R,T)=R+\gamma t$  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)
- 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.  **$F(R,T)$  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
- XII. **BIANCHI-TYPE I UNIVERSE WITH DUST MATTER 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.253
- XIII. **EXAMINATION OF BIANCHI TYPE-VI0 FOR DARK ENERGY IN F(R,T) = R + ?T GRAVITY**  
Cil B., Kara E., GÜDEKLİ E., SOFUOĞLU D.  
TURKISH PHYSICS SOCIETY 35th INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 4 - 08 September 2019, vol.1, no.1, pp.248
- XIV. **INVESTIGATION OF BIANCHI TYPE-V DARK ENERGY COSMOLOGICAL MODELS IN F(R,T) GRAVITY**  
KARA E., ÇİL B., GÜDEKLİ E., SOFUOĞLU D.  
Turkish Physical Society 35th International Physics Congress, Muğla, Turkey, 4 - 08 September 2019, vol.1, no.1, pp.249
- XV. **Power-law Solution in f(G,T) Gravity**



SOFUOĞLU D., GÜDEKLİ E.

Turkish Physical Society 35th International Physics Congress, Muğla, Turkey, 4 - 08 September 2019, vol.1, no.1, pp.260

- XVI. **BIANCHI TYPE-V COSMOLOGY WITH GAMMA LAW EOS IN  $f(R,T)$  GRAVITY**  
GÜDEKLİ E., Açıan Yıldız G. D., SOFUOĞLU D.  
TURKISH PHYSICS SOCIETY 35ND INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 4 - 08 September 2019, vol.1, no.1, pp.250
- XVII. **Cosmological Evolution and Constraint Equations in  $f(G,T)$  Gravity Theory**  
SOFUOĞLU D., GÜDEKLİ E.  
Turkish Physical Society 35th International Physics Congress, Muğla, Turkey, 4 - 08 September 2019, vol.1, no.1, pp.254
- XVIII. **Generalized Gödel Universe in  $f(R,T)$  Theory**  
SOFUOĞLU D.  
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 5 - 09 September 2018, pp.204
- XIX. **Consistency Analysis in Irrotational Cosmic Fluid by Tetrad Formalism**  
SOFUOĞLU D.  
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 5 - 09 September 2018, pp.199
- XX. **POWER-LAW SOLUTION OF BIANCHI-TYPE I MODEL IN  $f(G,T)$  GRAVITY THEORY**  
Sofuoğlu D.  
MEDITERRANEAN NATURAL SCIENCES AND ENGINEERING CONGRESS (MENSEC 2018), Podgorica, Montenegro, 26 - 29 June 2018, pp.23
- XXI. **1+3 COVARIANT APPROACH TO  $F(G,T)$  MODIFIED GRAVITY**  
Sofuoğlu D.  
MEDITERRANEAN NATURAL SCIENCES AND ENGINEERING CONGRESS (MENSEC 2018), Podgorica, Montenegro, 26 - 29 June 2018, pp.21
- XXII. **Tetrad Formalizmi İle İvmesiz ve Dönmesiz Akışkan İçin İntegre Edilebilirlik Koşullarının Araştırılması**  
SOFUOĞLU D.  
ADIM Fizik Günleri-VII, Aydın, Turkey, 23 - 25 May 2018, vol.1, no.1, pp.12
- XXIII. **Weyl Değiştirilmiş Kütleçekim Teorisinde Dönen Bianchi Tip-II Evreni**  
SOFUOĞLU D.  
ADIM Fizik Günleri-VII, Aydın, Turkey, 23 - 25 May 2018, vol.1, no.1, pp.13
- XXIV. **GÖDEL UNIVERSE IN  $F(R,T)$ -GRAVITY**  
SOFUOĞLU D.  
4th International Conference on Computational and Experimental Science and Engineering (ICCES-2017), Antalya, Turkey, 4 - 08 October 2017, vol.1, no.1, pp.97
- XXV. **BIANCHI TYPE I SOLUTION IN WEYL MODIFIED THEORY OF GRAVITATION**  
SOFUOĞLU D.  
4th International Conference on Computational and Experimental Science and Engineering (ICCES-2017), Antalya, Turkey, 4 - 08 October 2017, vol.1, no.1, pp.137
- XXVI. **CONSERVATION EQUATIONS OF WEYL MODIFIED GRAVITY THEORY**  
SOFUOĞLU D.  
Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, vol.1, no.1, pp.525
- XXVII. **BIANCHI TYPE-II UNIVERSE IN WEYL MODIFIED THEORY**  
SOFUOĞLU D.  
Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, vol.1, no.1, pp.197
- XXVIII. **FLRW UNIVERSE IN WEYL MODIFIED THEORY OF GRAVITY**  
SOFUOĞLU D.  
International Conference on Research in Education and Science (ICRES-2017), Aydın, Turkey, 18 - 21 May 2017,

vol.1, no.1, pp.54

- XXXIX. **KRECHET-GÖDEL UNIVERSE IN F(R,T)-GRAVITY**  
SOFUOĞLU D.  
International Conference on Research in Education and Science (ICRES-2017), Aydın, Turkey, 18 - 21 May 2017, vol.1, no.1, pp.74
- XXX. **A New Perspective for Weyl Gravity**  
SOFUOĞLU D.  
Turkish Physical Society 32nd International Physics Congress, Muğla, Turkey, 6 - 09 September 2016, vol.1, no.1, pp.420
- XXXI. **Rotating Bianchi Type-III Model in f(R,T) Theory of Gravity**  
SOFUOĞLU D.  
Turkish Physical Society 32nd International Physics Congress, Muğla, Turkey, 6 - 09 September 2016, vol.1, no.1, pp.419
- XXXII. **F(R,T) GRAVİTASYON TEORİSİNDE BIANCHI TYPE-IV KOZMOLOJİK MODEL**  
SOFUOĞLU D.  
ADIM Fizik Günleri V, Eskişehir, Turkey, 21 - 23 April 2016, vol.1, no.1, pp.58
- XXXIII. **F(R,T)-GRAVİTEDE KRECHET-GÖDEL EVRENİ**  
SOFUOĞLU D.  
ADIM Fizik Günleri V, Eskişehir, Turkey, 21 - 23 April 2016, vol.1, no.1, pp.75
- XXXIV. **Rotating Bianchi Type-II Model in f(R,T) Theory of Gravity**  
Sofuoğlu D.  
1st International Physics Conference at the Anatolian Peak (IPCAP 2016), Erzurum, Turkey, 25 - 27 February 2016, pp.121
- XXXV. **ROTATING BIANCHI TYPE-III MODEL IN F(R) THEORY OF GRAVITY**  
SOFUOĞLU D.  
9th International Physics Conference of the Balkan Physical Union – BPU9, İstanbul, Turkey, 24 - 27 August 2015, vol.1, no.1, pp.328
- XXXVI. **CONSISTENCY ANALYSIS OF COVARIANT CONSTRAINT EQUATIONS OF F(R) GRAVITY FOR A SHEAR-FREE GEODESIC PERFECT FLUID**  
SOFUOĞLU D.  
9th International Physics Conference of the Balkan Physical Union – BPU9, İstanbul, Turkey, 24 - 27 August 2015, vol.1, no.1, pp.491
- XXXVII. **GÖDEL TYPE EXPANDING UNIVERSE IN THE CONTEXT OF F(G)-GRAVITY**  
SOFUOĞLU D.  
Turkish Physical Society 31. International Physics Congress, Muğla, Turkey, 21 - 24 July 2014, pp.345
- XXXVIII. **RECONSTRUCTIONS OF F(G)-GRAVITY FOR BIANCHI-TYPE I MODEL**  
SOFUOĞLU D., Güler S.  
Turkish Physical Society 31. International Physics Congress, Muğla, Turkey, 21 - 24 July 2014, vol.1, no.1, pp.350
- XXXIX. **ROTATING AND EXPANDING BIANCHI-TYPE V UNIVERSE IN F(R)-GRAVITY AS AN ILLUSTRATIVE EXAMPLE TO THE SHEAR-FREE PERFECT FLUID CONJECTURE**  
SOFUOĞLU D.  
Turkish Physical Society 31. International Physics Congress, Muğla, Turkey, 21 - 24 July 2014, vol.1, no.1, pp.340
- XL. **Consistency Analysis for Covariant Constraint Equations of Shear-free and Acceleration-free Brane-worlds**  
SOFUOĞLU D.  
Turkish Physical Society 30th International Physics Congress, İstanbul, Turkey, 2 - 05 September 2013, vol.1, no.1, pp.637
- XLI. **Existence of Shear-free, Rotating and Expanding Universe in F(R)-Gravity**  
SOFUOĞLU D.  
Turkish Physical Society 30th International Physics Congress, İstanbul, Turkey, 2 - 05 September 2013, vol.1, no.1, pp.290

- XLII. Covariant Cosmological Evolution and Constraint Equations in Higher-Order Gravity Theories**  
Erman M., SOFUOĞLU D., GÜDEKLİ E.  
Turkish Physical Society 29th International Physics Conference, Muğla, Turkey, 5 - 08 September 2012, vol.29, pp.334
- XLIII. EFFECT OF THE BULK ON SHEAR-FREE DYNAMICS IN BRANE-WORLD COSMOLOGIES**  
SOFUOĞLU D.  
Turkish Physical Society 29th International Physics Congress, Turkey, 1 - 04 September 2012, pp.345
- XLIV. GENERALIZATION OF THE CONSISTENCY ANALYSIS IN IRROTATIONAL COSMOLOGICAL MODELS**  
YILMAZ D., SOFUOĞLU D.  
Turkish Physical Society 29th International Physics Congress, Turkey, 1 - 04 September 2012, pp.351
- XLV. COVARIANT COSMOLOGICAL EVOLUTION AND CONSTRAINT EQUATIONS IN HIGHER-ORDER GRAVITY THEORIES**  
ERMAN M., SOFUOĞLU D., GÜDEKLİ E.  
Turkish Physical Society 29th International Physics Congress, Turkey, 1 - 04 September 2012, pp.334

## Supported Projects

SOFUOĞLU D., Project Supported by Higher Education Institutions, Rotating and expanding Bianchi type-IX model in  $f(R,T)$  theory of gravity, 2018 - 2019

SOFUOĞLU D., Project Supported by Higher Education Institutions, Investigations of  $f(R)$ -gravity counterparts of the general relativistic shear-free conjecture by illustrative examples, 2015 - 2018

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

BOOK OF FULL TEXT PROCEEDINGS TURKISH PHYSICAL SOCIETY 37th INTERNATIONAL PHYSICS CONGRESS (TPS-37), Editor, 2021 - 2021

TURKISH PHYSICAL SOCIETY 37th INTERNATIONAL PHYSICS CONGRESS (TPS-37) ABSTRACT BOOK, Editor, 2021 - 2021

BOOK OF FULL TEXT PROCEEDINGS TURKISH PHYSICAL SOCIETY 36th INTERNATIONAL PHYSICS CONGRESS (TPS-36), Editor, 2020 - 2020

## Memberships / Tasks in Scientific Organizations

Türk Fizik Derneği, Member, 2013 - Continues

## Scientific Refereeing

PHYSICS OF THE DARK UNIVERSE, SCI Journal, November 2024

ASTRONOMY AND COMPUTING, SCI Journal, November 2024

Galaxies, SCI Journal, October 2024

PHYSICA SCRIPTA, SCI Journal, October 2024  
MODERN PHYSICS LETTERS A, SCI Journal, October 2024  
SYMMETRY, SCI Journal, October 2024  
Project Supported by Higher Education Institutions, BAP Research Project, Yildiz Technical University, Turkey, October 2024  
International Journal of Pure and Applied Sciences, National Scientific Refreed Journal, August 2024  
Project Supported by Higher Education Institutions, BAP Research Project, Canakkale Onsekiz Mart University, Turkey, August 2024  
Turkish Journal of Astronomy and Astrophysics, Other journals, July 2024  
INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, SCI Journal, July 2024  
Discover Applied Sciences, SCI Journal, July 2024  
Axioms, SCI Journal, July 2024  
International Journal of Applied and Computational Mathematics, SCI Journal, July 2024  
Journal of New Theory, National Scientific Refreed Journal, July 2024  
Journal of new results in science , Other Indexed Journal, July 2024  
NEW ASTRONOMY, SCI Journal, June 2024  
SYMMETRY, SCI Journal, June 2024  
ASTRONOMY AND COMPUTING, SCI Journal, June 2024  
EUROPEAN PHYSICAL JOURNAL PLUS, SCI Journal, April 2024  
Journal of Modern Physics, Other Indexed Journal, April 2024  
PUNJAB UNIVERSITY JOURNAL OF MATHEMATICS, Journal Indexed in ESCI, March 2024  
JOURNAL OF PHYSICS A: MATHEMATICAL AND THEORETICAL, SCI Journal, March 2024  
INDIAN JOURNAL OF PHYSICS, SCI Journal, November 2023  
Project Supported by Higher Education Institutions, BAP Research Project, Canakkale Onsekiz Mart University, Turkey, October 2023  
Journal of New Theory, National Scientific Refreed Journal, September 2023  
Journal of New Theory, Other Indexed Journal, August 2023  
NEW ASTRONOMY, SCI Journal, August 2023  
Project Supported by Higher Education Institutions, BAP Research Project, Canakkale Onsekiz Mart University, Turkey, August 2023  
Journal of New Theory, Other Indexed Journal, June 2023  
GRAVITATION AND COSMOLOGY, SCI Journal, June 2023  
Earth and Planetary Science, Other journals, February 2023  
Physics Open, Other Indexed Journal, January 2023  
SCIENTIFIC REPORTS, SCI Journal, December 2022  
SCIENTIFIC REPORTS, SCI Journal, November 2022  
SCIENTIFIC REPORTS, SCI Journal, November 2022  
Project Supported by Higher Education Institutions, BAP Research Project, Canakkale Onsekiz Mart University, Turkey, November 2022  
SCIENTIFIC REPORTS, SCI Journal, September 2022  
Zeitschrift für Naturforschung A, Journal Indexed in SCI-E, August 2022  
MODERN PHYSICS LETTERS A, SCI Journal, August 2022  
International Journal of Innovative Approaches in Science Research, Other Indexed Journal, May 2022  
TUBITAK Project, 3501 - National Young Researcher Career Development Program, Istanbul University, Turkey, May 2022  
Journal of New Theory, Other Indexed Journal, March 2022  
Journal of New Theory, Other Indexed Journal, March 2022  
AVRUPA BİLİM VE TEKNOLOJİ DERGİSİ, National Scientific Refreed Journal, January 2022  
International Journal of Innovative Approaches in Science Research, Other Indexed Journal, December 2021  
Journal of New Theory, Other Indexed Journal, December 2021  
INDIAN JOURNAL OF PHYSICS, SCI Journal, July 2021

Cumhuriyet Science Journal, National Scientific Refreed Journal, May 2021  
INDIAN JOURNAL OF PHYSICS, SCI Journal, July 2019  
Modern Physics Letters A (MPLA), SCI Journal, April 2019  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, August 2018  
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  
TÜBİTAK, Other, Istanbul University, Faculty Of Science, Department Of Physics, Turkey, 2020 - 2020  
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: 97  
Citation (WoS): 133  
Citation (Scopus): 138  
H-Index (WoS): 6

H-Index (Scopus): 6

## Invited Talks

İ.Ü. Amatör Astronomlar Kulübü 32. Geleneksel Mayıs Etkinliği, Workshop, İ.Ü. Amatör Astronomlar Kulübü 32. Geleneksel Mayıs Etkinliği, Turkey, May 2023

ULUSAL FİZİK ÖĞRENCİLERİ ZİRVESİ, Workshop, ULUSAL FİZİK ÖĞRENCİLERİ BİRLİĞİ , Turkey, May 2023

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

İ.Ü. Fizik Kulübü 8 Mart Dünya Kadınlar Günü Etkinliği, Seminar, İ.Ü. Fizik Kulübü 8 Mart Dünya Kadınlar Günü Etkinliği, Turkey, March 2021

İ.Ü. Fizik Bölümü Seminerleri, Seminar, İstanbul Üniversitesi, Turkey, November 2014

## Awards

SOFUOĞLU D., Investigations of  $f(R)$ -gravity counterparts of the general relativistic shear-free conjecture by illustrative examples, BAP Onur Plaketi, June 2016

SOFUOĞLU D., Fizik Bölümü Üçüncülüğü, İstanbul Üniversitesi Fen Fakültesi, June 2004