

Prof. ÖZGÜR DELİCE

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAA-3127-2019

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Biography

I am a faculty member in [Physics Department](#) at [Faculty of Science and Letters](#) of [Marmara University](#). My research is in the field of theoretical physics with a focus on gravitation and cosmology.

Education Information

Doctorate, Bogazici University, Institute Of Science, Fizik (Dr), Turkey 2000 - 2006

Postgraduate, Bogazici University, Institute Of Science, Fizik (YI) (Tezli), Turkey 1997 - 2000

Undergraduate, Istanbul University, Faculty Of Science, Department Of Physics, Turkey 1992 - 1996

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Cylindrically symmetric spacetimes with pure radiation, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), 2006

Postgraduate, Cylindrically symmetric cosmic stringy surfaces and their transmutations, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2000

Research Areas

Physics, General Physics, Relativity and Gravitation

Academic Titles / Tasks

Professor, Marmara University, Faculty of Arts and Sciences, Physics, 2015 - Continues

Associate Professor, Marmara University, Faculty of Arts and Sciences, Physics, 2010 - 2015

Assistant Professor, Namık Kemal Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2009 - 2010

Research Assistant, Bogazici University, Faculty Of Arts And Sciences, Department Of Physics, 2000 - 2006

Courses

Doctorate

Advanced Classical Mechanics, Doctorate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Postgraduate

Mathematical Methods in Physics, Postgraduate, 2023 - 2024, 2022 - 2023

Classical Mechanics, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Undergraduate

Modern Physics, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Calculus 2, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Astrophysics and Cosmology, Undergraduate, 2023 - 2024, 2021 - 2022, 2020 - 2021, 2017 - 2018, 2016 - 2017

Linear Algebra, Undergraduate, 2020 - 2021, 2019 - 2020

Linear Algebra, Undergraduate, 2020 - 2021, 2019 - 2020

Mekanik, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Calculus 1, Undergraduate, 2020 - 2021

Calculus 1, Undergraduate, 2020 - 2021

Lineer Algebra, Undergraduate, 2019 - 2020

Introduction to Relativity Theories, Undergraduate, 2019 - 2020, 2018 - 2019

Modern Physics Laboratory, Undergraduate, 2019 - 2020

Supervised Theses

Delice Ö., Dynamics of particles and fields in gravitational monopole space - times, Postgraduate, M.HALUK(Student), 2019

Delice Ö., Bölükbaşı O., Alternatif kütleçekim kuramları ve kütleçekim dalgaları, Doctorate, H.ÖZER(Student), 2018

Delice Ö., Alternatif kütle-çekim kuramlarının eksenel simetrik çözümleri, Doctorate, P.KİREZLİ(Student), 2016

DELİCE Ö., Delice Ö., Galaksi kümelerinin x-ışın gözlemleri, Postgraduate, C.Uludağ(Student), 2013

Delice Ö., Dönen kara delikler için gri-cisim katsayıları, Postgraduate, T.DURĞUT(Student), 2013

Delice Ö., BRANS - DICKE kuramında silindirik vakum çözümleri, Postgraduate, L.AKYAR(Student), 2012

Delice Ö., Kazıcı D., Yüksek boyutlu, statik, silindirik simetrik uzay-zamanlarda einstein-maxwell çözümleri, Postgraduate, P.KİREZLİ(Student), 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **AdS waves in Brans-Dicke theory**
ÖZER H., DELİCE Ö.
European Physical Journal Plus, vol.138, no.10, 2023 (SCI-Expanded)
- II. **Gravitational waves in Brans-Dicke theory with a cosmological constant**
ÖZER H., DELİCE Ö.
European Physical Journal C, vol.81, no.4, 2021 (SCI-Expanded)
- III. **Bending of light from Reissner-Nordstrom-de Sitter-monopole black hole**
Secuk M. H., DELİCE Ö.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.135, no.7, 2020 (SCI-Expanded)
- IV. **Superradiance of a global monopole in Reissner-Nordstrom(-AdS) space-time**

Secuk M. H., DELİCE Ö.

EUROPEAN PHYSICAL JOURNAL C, vol.80, no.5, 2020 (SCI-Expanded)

- V. **Linearized modified gravity theories with a cosmological term: advance of perihelion and deflection of light**
Ozer H., DELİCE Ö.
CLASSICAL AND QUANTUM GRAVITY, vol.35, no.6, 2018 (SCI-Expanded)
- VI. **Modified Einstein-Gauss-Bonnet gravity: Riemann-Cartan and pseudo-Riemannian cases**
Ozer H., Baykal A., DELİCE Ö.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.131, no.8, 2016 (SCI-Expanded)
- VII. **Stationary axially symmetric solutions in Brans-Dicke theory**
KİREZLİ P., DELİCE Ö.
PHYSICAL REVIEW D, vol.92, no.10, 2015 (SCI-Expanded)
- VIII. **Superradiance instability of small rotating AdS black holes in arbitrary dimensions**
DELİCE Ö., Durgut T.
PHYSICAL REVIEW D, vol.92, no.2, 2015 (SCI-Expanded)
- IX. **Brans-Dicke-Maxwell solutions for higher dimensional static cylindrical symmetric spacetime**
Ciftci D. K., DELİCE Ö.
JOURNAL OF MATHEMATICAL PHYSICS, vol.56, no.7, 2015 (SCI-Expanded)
- X. **Generalized Sparling-Thirring form in the Brans-Dicke theory**
Baykal A., DELİCE Ö.
EUROPEAN PHYSICAL JOURNAL C, vol.75, no.2, 2015 (SCI-Expanded)
- XI. **On generalized Einstein-Rosen waves in Brans-Dicke theory**
Akyar L., DELİCE Ö.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.129, no.10, 2014 (SCI-Expanded)
- XII. **Higher dimensional cylindrical or Kasner type electrovacuum solutions**
DELİCE Ö., KİREZLİ P., Ciftci D. K.
GENERAL RELATIVITY AND GRAVITATION, vol.45, no.11, pp.2251-2272, 2013 (SCI-Expanded)
- XIII. **Multi-scalar-tensor equivalents for modified gravitational actions**
Baykal A., DELİCE Ö.
PHYSICAL REVIEW D, vol.88, no.8, 2013 (SCI-Expanded)
- XIV. **A unified approach to variational derivatives of modified gravitational actions**
Baykal A., DELİCE Ö.
CLASSICAL AND QUANTUM GRAVITY, vol.28, no.1, 2011 (SCI-Expanded)
- XV. **Cylindrically symmetric vacuum solutions in higher dimensional Brans-Dicke theory**
Baykal A., Ciftci D. K., Delice Ö.
JOURNAL OF MATHEMATICAL PHYSICS, vol.51, no.7, 2010 (SCI-Expanded)
- XVI. **Cylindrically symmetric Brans-Dicke-Maxwell solutions**
Baykal A., Delice Ö.
GENERAL RELATIVITY AND GRAVITATION, vol.41, no.2, pp.267-285, 2009 (SCI-Expanded)
- XVII. **Superradiant instability of five-dimensional rotating charged AdS black holes**
Aliev A. N., Delice Ö.
PHYSICAL REVIEW D, vol.79, no.2, 2009 (SCI-Expanded)
- XVIII. **Cylindrically symmetric, static strings with a cosmological constant in Brans-Dicke theory**
Delice Ö.
PHYSICAL REVIEW D, vol.74, no.12, 2006 (SCI-Expanded)
- XIX. **Kasner generalization of Levi-Civita space-time**
Delice Ö.
ACTA PHYSICA POLONICA B, vol.37, no.9, pp.2445-2461, 2006 (SCI-Expanded)
- XX. **Local cosmic strings in Brans-Dicke theory with a cosmological constant**
Delice Ö.
PHYSICAL REVIEW D, vol.74, no.6, 2006 (SCI-Expanded)

- XXI. **Static cylindrical matter shells**
Arik M., Delice Ö.
GENERAL RELATIVITY AND GRAVITATION, vol.37, no.8, pp.1395-1403, 2005 (SCI-Expanded)
- XXII. **Einstein spaces in warped geometries in five dimensions**
Arik M., Baykal A., Calik M., Ciftci D., Delice Ö.
PHYSICAL REVIEW D, vol.68, no.12, 2003 (SCI-Expanded)
- XXIII. **Gravitational hedgehog, stringy hedgehog and stringy sphere**
Delice Ö.
JOURNAL OF HIGH ENERGY PHYSICS, no.11, 2003 (SCI-Expanded)
- XXIV. **Trapping photons by a line singularity**
Arik M., Delice Ö.
INTERNATIONAL JOURNAL OF MODERN PHYSICS D, vol.12, no.6, pp.1095-1112, 2003 (SCI-Expanded)
- XXV. **Multiple photonic shells around a line singularity**
Arik M., Delice Ö.
GENERAL RELATIVITY AND GRAVITATION, vol.35, no.7, pp.1285-1290, 2003 (SCI-Expanded)

Papers Published in Refereed Scientific Meetings

- I. **GRAVITATIONAL WAVES IN MASSIVE HORNDESKI THEORY**
ÖZER H., DELİCE Ö.
TURKISH PHYSICAL SOCIETY 39th INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 31 August - 04 September 2023, pp.235
- II. **THE DEFLECTION OF LIGHT RAYS IN BRANS-DICKE THEORY WITH A COSMOLOGICAL CONSTANT OR WITH AN ARBITRARY POTENTIAL**
DELİCE Ö., ÖZER H.
Turkish Physical Society 38th International Physics Congress, Muğla, Turkey, 31 August - 04 September 2022, pp.235
- III. **The Comparison Of The Properties Of Gravitational Waves In Brans-Dicke Theory With A Cosmological Constant Or With An Arbitrary Potential**
ÖZER H., DELİCE Ö.
1. INTERNATIONAL MARMARA SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, İstanbul, Turkey, 21 August 2021, vol.1, pp.673
- IV. **BRANS DICKE SOLUTIONS OF MAGNETIZED KERR NEWMAN BLACK HOLE AND BONNOR DIHOLES**
KİREZLİ P., DELİCE Ö.
Turkish Physical Society 32nd International Physics congress, Muğla, Turkey, 6 - 09 September 2016
- V. **Some Properties of Magnetized Bonnor-Dihole Solution in Brans-Dicke Theory**
KİREZLİ P., DELİCE Ö.
32nd International Physics Congress of Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 09 September 2016, vol.1815
- VI. **KERR NEWMAN TAUB NUT ANTI DE SITTER BLACK HOLE THERMODYNAMICS**
KİREZLİ P., DELİCE Ö.
Turkish Physical Society 32nd International Physics Congress, Muğla, Turkey, 6 - 09 September 2016
- VII. **Static Weyl Type Solutions of The Brans-Dicke Theory**
KİREZLİ P., DELİCE Ö.
9th International Physics Conference of the Balkan-Physical-Union (BPU), İstanbul, Turkey, 24 - 27 August 2015, vol.1722
- VIII. **On the static Weyl type solutions of the Brans Dicke theory**
KİREZLİ P., DELİCE Ö.
9 th International Physics Conference of the Balkan Physical Union, İstanbul, Turkey, 24 - 26 August 2015
- IX. **Einstein Maxwell Solutions of N Dimensional Static Cylindrically Symmetric Space time**

KİREZLİ P., KAZICI D., DELİCE Ö.

XXXth Congress of Turkish Physical Society, 6 - 09 September 2011

Supported Projects

Delice Ö., TÜBİTAK Project, Arkaalan Eğriliğinin Kütleçekim Dalgası Hareketine Etkilerinin İncelenmesi, 2022 - 2023

Delice Ö., Seçuk M. H., Project Supported by Higher Education Institutions, Topolojik kirlilik içeren uzay-zamanlarda parçacık ve alanların dinamiği, 2018 - 2019

Dumludağ F., Yahşi U., Altun Z., Aktaş Ş., Esmer K., Tav C., Özdemir M., Akkoyunlu B. O., Yumak Yahşi A., Alevli M., et al., Project Supported by Higher Education Institutions, İleri Modern Fizik Laboratuvarı (FEN-E-120613-0265), 2013 - 2017

Delice Ö., Kirezli P., Project Supported by Higher Education Institutions, Alternatif Kütle Çekim Kuramlarının Eksenel Simetrik Çözümleri, 2014 - 2016

Delice Ö., Durğut T., Project Supported by Higher Education Institutions, Dönen Karadelikler İçin Gri Cisim Katsayıları, 2013 - 2014

Memberships / Tasks in Scientific Organizations

Feza Gürsey Center for Physics and Mathematics, Member, 2015 - Continues

Peer Reviews in Scientific Publications

CLASSICAL AND QUANTUM GRAVITY, SCI Journal, July 2020

Classical And Quantum Gravity, SCI Journal, May 2020

EUROPEAN PHYSICAL JOURNAL C, SCI Journal, September 2019

CLASSICAL AND QUANTUM GRAVITY, SCI Journal, September 2019

CLASSICAL AND QUANTUM GRAVITY, SCI Journal, June 2019

CLASSICAL AND QUANTUM GRAVITY, SCI Journal, April 2018

CLASSICAL AND QUANTUM GRAVITY, SCI Journal, January 2018

CLASSICAL AND QUANTUM GRAVITY, SCI Journal, September 2017

TURKISH JOURNAL OF PHYSICS, National Scientific Refreed Journal, November 2015

TURKISH JOURNAL OF PHYSICS, National Scientific Refreed Journal, September 2015

TURKISH JOURNAL OF PHYSICS, National Scientific Refreed Journal, October 2014

TURKISH JOURNAL OF PHYSICS, National Scientific Refreed Journal, December 2013

Metrics

Publication: 34

Citation (WoS): 238

Citation (Scopus): 238

H-Index (WoS): 9

H-Index (Scopus): 9

Scholarships

tübitak 2218 domestic post doctoral research fund, TÜBİTAK, 2007 - 2009